I. Plan Overview

1. Brief Summary about Plan Of Work

All programs outlined in this plan of work are being developed and implemented based on local or statewide formal and informal needs assessments. Additionally, specific efforts have been taken to address the needs of under-served/under-represented populations of the state, as well as activities/programs specific to the needs of these audiences.

It should be noted that just about all Cooperative Extension programs in Nevada have some type of applied “research” component. Cooperative Extension faculty are expected to research needs, program impacts, and may use applied research projects as a teaching tool as well as to learn new information for use in programs. All Cooperative Extension faculty must have at least these minimum research components in their programs, and research is a major consideration in annual evaluations for both field faculty and campus based faculty (many of whom also have joint Nevada Agricultural Experiment Station appointments as well). Finally, a number of Cooperative Extension faculty also participate on NAES research projects related to their program areas.

The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! The state’s economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% cut in our state appropriated budget and the president of the university has proposed increasing the cut to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover (risk management, weeds, horticulture, livestock etc.) and proposed state budget cuts could mean an additional loss of up to 70 positions.

Also, the College of Agriculture, Biotechnology and Natural Resources has been restructured and lost departments and faculty positions during the past fiscal year. The State Department of Agriculture and other state agencies with whom Cooperative Extension partners have taken similar reductions in the past and are faced with making similar reductions now.

Given the economy and proposed budget reductions significant changes in programs are inevitable. The current unsettled budget situation makes it extremely difficult to plan programs let alone predict what will be done in the next five years. There will be, therefore, major changes in the POW at any time. This is also why FTE reductions are shown for future years as well as expected contacts in some situations.

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

<table>
<thead>
<tr>
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Estimated Number of Professional FTEs/SYs total in the State.

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</tr>
</tbody>
</table>

II. Merit Review Process

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

   - Combined External and Internal University External Non-University Panel

2. Brief Explanation

   The merit review process is actually several review processes at different times. First, all Extension faculty are required to prepare a "Role Statement" detailing their plans and activities for the coming calendar year. They review this plan with their Area Director or Department Chair who insures the quality and relevance of planned work efforts to the identified program goals. Both the Area Director and the Dean sign off on the plan.

   Second, Extension in Nevada uses a peer review process whereby Extension faculty provide evaluation and input on their peers concerning their program quality, its importance to stakeholders and relevance. In these peer reviews, the needs assessments are also examined as well as program impacts. These peer reviews are used by Area Directors and Department Chairs to not only evaluate faculty, but are also used in reviewing "Role Statements" and focusing faculty efforts in the future. These are also reviewed by the Dean/Director. At each of these steps, the Strategic Plan is used to evaluate program priorities and need.

   Third, programs and their impacts are reviewed with the State Extension Advisory Committee to get their input and evaluation as well.

   Fourth, all Extension publications and curriculum are peer reviewed from either internal experts, external experts or both. Not only does this produce better publications but provides some feedback on the "need" or relevance to stakeholders of the topic.

   Fifth, AES faculty on Cooperative Extension appointments are involved at most stages of the process. Helps provide input to the AES agenda as well.

   Finally, those efforts organized as Western Coordinating Committee projects through the Western Regional Coordinating Implementation Committee (RCIC) are reviewed by RCIC (which is represented by both Extension and Research) for progress during the course of the project/program and at project termination. The reviews are documented and housed at the executive director's office in the western region. Additionally, those portions of programs which are part of the eXtension effort are reviewed in the eXtension selection process.
III. Evaluation of Multis & Joint Activities

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

   All activities/programs of Cooperative Extension (UNCE) and AES (NAES) match needs/issues identified in the stakeholder input processes. Additionally, these activities/programs also address needs common to under-served/under-represented populations of the state, as well as activities/programs specific to the needs of these audiences.

   Scholarship has long been recognized as an expectation of UNCE community-based faculty. All major programs are grounded in research theory and deliberate attempts are made to include campus-based faculty who hold joint UNCE and NAES appointments in their overall design. Programs are rigorously evaluated so as to contribute to the knowledge base of theory in practice. Not only are campus-based faculty expected to be involved in the evaluation design, but UNCE faculty are expected to take a scholarly approach to their work.

   Finally, integrated and multistate programs have generally realized the outcomes/impacts expected. The multi-state research program and Western Coordinating Committee projects are reviewed by RCIC (which is represented by both Extension and Research) for progress during the course of the project/program and at project termination. The reviews are documented and housed at the executive director's office in the western region. This process will continue to be used. Additionally, UNCE faculty and campus faculty on UNCE appointments are expected to demonstrate program results/impacts as part of their annual evaluations. Therefore, peers and administration both have an opportunity to review impacts/results of all UNCE programs.

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

   All activities/programs of UNCE and NAES match needs/issues identified in the stakeholder input processes. Efforts are made to insure inclusion of under-served/under represented populations in the needs assessment processes. As a result, activities/programs are developed to address needs common to under-served/under-represented populations of the state, as well as activities/programs specific to the needs of these audiences.

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

   The primary programs in Cooperative Extension at this time are:

   1. Global Food Security and Hunger: Agriculture, Horticulture and Natural Resources
   2. Community Development
   3. Health & Nutrition
   4. Childhood Obesity
   5. Human & Family Development
   6. Climate Change: Water Quality, Quantity, Uses and Management

   Food Safety and Sustainable Energy: Sustainable Living are not priority or planned programs although there may be some limited activities related to these areas.

   Primary emphasis in "Global Food Security and Hunger" focuses on a variety of both educational outreach and applied research activities. Applied research focuses on both social and "best management practices" for Nevada as it relates to the areas of emphasis - natural resources management, alternative agriculture, risk management and sustainable agriculture, urban horticulture, wildfire prevention, weed management and mitigation, etc. Programming
addresses the needs of both the producer and the public who are also natural resource users in Nevada. A special emphasis is addressing the needs of producers on Indian Reservations as well, and in helping to facilitate the work of other Federal and state agencies with Tribal producers.

Primary outcomes in agriculture & natural resource programming are:
- For land managers to learn and apply sound principles to both maintain and restore rangeland health, reduce weeds and impacts of fires.
- For individual home owners and businesses in urban areas to learn and apply landscaping and horticulture practices which suit the climate and limited water resources of Nevada.
- To identify sustainable agriculture alternative practices and opportunities for Nevada, for producers to learn and apply these in their agriculture operations.

Community Development is a broad program area focusing on economic modeling or other community asset assessments for planning and development and "capacity building" for communities, public issues education programs, leadership skills development (both youth and adults). Both "community" and "development" are defined very broadly. The primary outcomes are:
- For communities and organizations to proactively plan and influence the future develop of their communities in positive ways to make it a desirable and positive environment for individuals, families and businesses.
- To help individuals and community leaders learn about public policy issues, community assets and economic models so they can make appropriate development plans for their communities.
- To enhance the capacity of individuals to function as effective leaders in their organizations and communities, and to become more involved in community or organizational issues.

In "Health and Nutrition," the primary goal is "better individual health, better quality of life and lower health costs throughout their lifespan." Adopting a healthy lifestyle and food choices are necessary for individuals to maintain optimal health throughout their lifespan. This various activities of this program are designed to provide health & nutrition educational programs where individuals, families and care givers can learn the benefits of a healthy lifestyle and proper food habits which promote health and wellbeing. Learning and adoption of more healthful practices are the primary outcomes being sought. Additionally, there are special efforts focused on needs of older youth, minorities and low income families.

Human & Family Development programming focuses on the interrelated areas of youth and families at risk, seniors, positive youth development, parenting education, literacy and child care provider training. Ultimate outcomes of this program include:
- Reduced risk and increased protective assets for youth and families at risk
- Improve literacy skills of children and parents, including ESL (English as Second Language) parents & children.
- Improve the quality of care provided by child care providers.
- Improve the positive youth development opportunities for all youth.
- Expand opportunities for parenting education for parents of infants through eXtension.

"Childhood Obesity" is focused on a variety of programs and activities designed to guide individuals and families to make informed, science-based decisions that will reduce child obesity and improve health. One of the major thrusts in the "All 4 Kids" programming is an integrated nutrition and physical activity focus on pre-K children. Additionally, school based
health & nutrition programming focuses specifically on youth at risk and minorities.

"Climate Change" focuses primarily on water quality, quantity, uses and management. The intent is to help individuals, communities, producers, land managers and public officials make the best use of water, water management and conserve energy at the same time while improving the environment.

"Food Safety" is not a focus. Reductions in budget and faculty means there is no planned programming in this area. Some Food Safety education may be included in nutrition or other program but no major programming.

"Sustainable Energy" is not a program focus at this time. It is not an area in which Cooperative Extension has expertise or resources for programming.

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

Currently, many of the State Specialists with UNCE appointments also have NAES appointments so that their research is closely related to their educational programming. Additionally, many UNCE faculty are participants with NAES faculty on research projects. Integrated and multistate programming is increasingly the result of more proactive processes, and has helped to identify ways for cooperation even outside of specific programs. Also there is a great deal of collaboration along the border states especially UT, CA, ID and AZ. For example, NV and CA work very closely along the border areas in both natural resources, 4-H and other activities especially along the Lake Tahoe region. Also many Cooperative Extension faculty are either leading or participating in related eXtension Communities of Practice.

The program priorities established by UNCE from needs assessments conducted by UNCE faculty have been provided to Agriculture Experiment Station (AES) for their information and use as they allocate research funds. Collaboration with community-based faculty and developing research components to Extension programs has been openly endorsed by AES and there are a number of AES funded projects with UNCE field faculty involved.

Whether or not the above current situation is problematic at this time. Large budget reductions and a plan to severely limit the number of Extension Specialist may impact collaboration and cooperative with the NAES.

IV. Stakeholder Input

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

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Survey specifically with non-traditional groups
Brief explanation.

In 2000, UNCE established a statewide Advisory Committee that represents a diverse cross section of stakeholders from both rural and urban communities, including minorities. This Advisory Committee has met at least twice a year since 2001 and continues to review UNCE programs and provide suggestions on additional program opportunities. It provides broad guidance on UNCE programming and policies, serves as a sounding board for setting program priorities, and has been actively involved in helping obtain support for UNCE from key state and county elected officials. CARET representatives also serve as members of this UNCE Advisory Committee.

Within their first year of being hired, UNCE funded faculty are expected to conduct a formal needs assessment in order to identify critical issues in their subject matter area. For County Extension Educators, a very broad, community-based assessment is expected. For Area Specialists, a broad, issue-based assessment is expected. State Extension Specialists are charged with compiling local needs assessments and adding statewide data and impacts. Indeed, one of the criteria for annual performance evaluation is effective assessment of need. Needs assessment information is shared publicly on Extension’s website and with faculty in other colleges at the university as well as with state agencies and organizations.

Following their initial needs assessment, faculty are required to continually assess needs through contact with stakeholders and periodically conduct a needs assessment in as expected of newly hired faculty. Information on the "community stakeholder meetings" and some of the other statewide needs assessments can be found at: http://www.unce.unr.edu/publications/assessments/. A recent example were assessments related to health and nutrition conducted in 2009 and 2008. A senior citizen needs assessment was completed at the end of 2007. Needs assessments may take many forms and use a variety of methods across the state. No one method is required or always appropriate.

As a result of the above processes for stakeholder input, all of UNCE’s major educational programs are based on one or more needs assessments. UNCE has also used this information in ongoing strategic planning for the future.

The needs assessment data collected by UNCE is also shared with the Nevada Agricultural Experiment Station for their information, and also shared with other university faculty for their use and information.

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

1. Method to identify individuals and groups

   - Use Advisory Committees
   - Use Internal Focus Groups
   - Use External Focus Groups
   - Open Listening Sessions
   - Needs Assessments
   - Use Surveys

   Brief explanation.

   A variety of methods are used across the state to identify individuals/groups who are stakeholders and to get their input. No one method is required or always appropriate. In fact, one method may be used in one county and a different method in another county. Even
within counties, one method might be used in one situation and another method used in a different situation.

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

1. Methods for collecting Stakeholder Input

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

Brief explanation.

A variety of methods are used across the state to identify individuals/groups who are stakeholders and to get their input. No one method is required or always appropriate. In fact, one method may be used in one county and a different method in another county. Even within counties, one method might be used in one situation and another method used in a different situation.

3. A statement of how the input will be considered

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

Brief explanation.

Stakeholder input is routinely used to identify emerging issues, to redirect Extension programs and also in the hiring process. Where stakeholder input and needs assessments show the need for different staffing, it has also been used to make changes in qualifications of those hired in empty or new positions. Stakeholders are routinely used on search committees as well. Additionally, stakeholder input is used in setting program priorities and in making request for additional funding.

Finally, stakeholders frequently become partners or contributors to programs and program activities.
## V. Planned Program Table of Content

<table>
<thead>
<tr>
<th>S. No.</th>
<th>PROGRAM NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Global Food Security and Hunger: Agriculture, Horticulture &amp; Natural Resources</td>
</tr>
<tr>
<td>2</td>
<td>Community and Economic Development</td>
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<tr>
<td>3</td>
<td>Health &amp; Nutrition (Healthy Lifestyle &amp; Food Choices)</td>
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<td>Human &amp; Family Development</td>
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<td>5</td>
<td>Childhood Obesity</td>
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<td>6</td>
<td>Climate Change: Water Quality, Quantity, Uses &amp; Management</td>
</tr>
<tr>
<td>7</td>
<td>Food Safety</td>
</tr>
<tr>
<td>8</td>
<td>Sustainable Energy: Sustainable Living</td>
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Report Date 11/01/2011
V(A). Planned Program (Summary)

Program # 1
1. Name of the Planned Program
Global Food Security and Hunger: Agriculture, Horticulture & Natural Resources

2. Brief summary about Planned Program
A variety of both educational outreach and applied research activities are undertaken. Applied research focuses on both social and “best management practices” for Nevada as it relates to the areas of emphasis - alternative agriculture, risk management and sustainable agriculture, urban horticulture, wildfire prevention, weed management and mitigation, natural resource management, etc. A special emphasis is addressing the needs of producers on Indian Reservations as well, and in helping to facilitate the work of other Federal and state agencies with Tribal producers.

Primary emphasis (not in any priority) is on:

• range & vegetation management (including weed management)
• urban/community horticulture
• alternative and sustainable agriculture practices or opportunities
• wildfire defense and mitigation (rural/urban interface)

3. Program existence : Mature (More then five years)
4. Program duration : Long-Term (More than five years)
5. Expending formula funds or state-matching funds : Yes
6. Expending other than formula funds or state-matching funds : Yes
V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

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<th>%1862 Research</th>
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<td>Management of Range Resources</td>
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<td>Management and Control of Forest and Range Fires</td>
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<td>Integrated Pest Management Systems</td>
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<td>307</td>
<td>Animal Management Systems</td>
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<tr>
<td>601</td>
<td>Economics of Agricultural Production and Farm Management</td>
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<td>605</td>
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</table>

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

1. Situation and priorities

Nevada land is 87% Federally owned land. In Nevada, rangeland health, weeds and fire are areas of emphasis and are all heavily related. Water (Nevada is the most arid state in the nation) and rangeland are also critical for agriculture as well as for public use and recreation. Urban/community horticulture is a huge demand because of both water concerns and the large number of people who have moving to Nevada from less arid places. (Until recently, Nevada has been the fastest growing state by % of population and is the most urban in the nation.) Given the limited water resources and arid climate, there is a need to identify and promote alternative agriculture practices and opportunities to sustain the agriculture industry and the rural communities of Nevada dependent on the agriculture industry. Therefore, "Agriculture & Natural Resources focuses on:

- range & vegetation management (including weed management)
- watershed health management
- urban/community horticulture
- alternative and sustainable agriculture practices or opportunities
- wildfire defense and mitigation (rural/urban interface)

2. Scope of the Program

- In-State Extension
- Multistate Extension
V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

1. State appropriated funds will be reduced by 72% in FY12 and FY13. This reduction will also impact county funding for Cooperative Extension. (Previous plans had assumed constant or slightly increasing funding.)

2. Urban growth and expansion will continue to not only slow but population growth will decline or have only modest growth for several years to come. (Nevada has lost population in the recent economic downturn.)

3. Changes in the natural environment are possible, but very long term.

4. Assumes 1 and 2 are a change from the past because of the significantly negative economic impact of the recession and its continuing impact on Nevada.

2. Ultimate goal(s) of this Program

Primary goals in "Global Food Security and Hunger" programming are:

• For land managers to learn and apply sound principles to both maintain and restore rangeland health, reduce weeds and impacts of fires.

• For individual home owners and businesses in urban areas to learn and apply landscaping and horticulture practices which suit the climate and limited water resources of Nevada.

• For Nevada producers to learn and apply sustainable agriculture alternative practices in their agriculture operations for economic sustainability.

V(E). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension</th>
<th></th>
<th></th>
<th>Research</th>
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V(F). Planned Program (Activity)

1. Activity for the Program

A variety of activities both educational outreach and applied research will be undertaken. Applied research will focus on both social and "best management practices" for Nevada as it relates to the areas of emphasis. Educational outreach will include publications, use of web and distance education technology,
as well as traditional teaching methods where feasible. Demonstrations and hands on experience are also emphasized.

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

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<tr>
<th>Extension</th>
<th>Direct Methods</th>
<th>Indirect Methods</th>
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</thead>
<tbody>
<tr>
<td>• Workshop</td>
<td>• Web sites other than eXtension</td>
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</tr>
<tr>
<td>• Group Discussion</td>
<td>• Other 1 (Trade Publications/Print Media)</td>
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</tr>
<tr>
<td>• One-on-One Intervention</td>
<td></td>
<td></td>
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<tr>
<td>• Demonstrations</td>
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<tr>
<td>• Other 1 (Extension publications)</td>
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</tbody>
</table>

3. Description of targeted audience

Target audience is multiple and varied. First, Nevada land managers both public and private. Second, stakeholders in water related issues (individuals, land owners, land managers, community leaders, business/industry, etc.). Third, home and business owners for horticulture and landscaping practices. Fourth, ag producers interested in sustainable and alternative agricultural practices. Youth in 4-H program are also a target audience although not the primarily focus for most of these programs. Fifth, community leaders, fire services, homeowners and others concerned with wildfires and mitigating impact of wildfires especially along the urban-rural interface.

V(G). Planned Program (Outputs)

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

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

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
V(H). State Defined Outputs

1. Output Measure

- Number of personal contacts through all means by Master Gardener volunteers with those requesting information or assistance.
- Number of green industry employees certified in proper horticulture techniques.
- Number of best management practices site evaluations performed on private property in the Lake Tahoe region to protect the water quality of Lake Tahoe.
- Number of individual land managers and private land/home owners reached directly with information about how to live more safely in high fire hazard environments.
- “Living with Fire” website hits.

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
### V(I). State Defined Outcome

<table>
<thead>
<tr>
<th>O. No</th>
<th>Outcome Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Number of target audiences who learn best management or risk management/skills for alternative or sustainable agriculture.</td>
</tr>
<tr>
<td>2</td>
<td>Total acres planted or tested for potential alternative crops in Nevada.</td>
</tr>
<tr>
<td>3</td>
<td>Number learning best management practices for 'living with fire' and wildfire hazards.</td>
</tr>
<tr>
<td>4</td>
<td>Number of participants who apply or use best management or risk management knowledge/skills learned for alternative or sustainable agriculture.</td>
</tr>
<tr>
<td>5</td>
<td>Number of producers or individuals or learn or apply changes in operations to increase niche farming opportunities for Nevada Producers.</td>
</tr>
</tbody>
</table>
Outcome # 1

1. Outcome Target
Number of target audiences who learn best management or risk management/skills for alternative or sustainable agriculture.

2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
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<th>2015</th>
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<td>300</td>
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</table>

3. Associated Knowledge Area(s)
- 121 - Management of Range Resources
- 205 - Plant Management Systems
- 216 - Integrated Pest Management Systems
- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 2

1. Outcome Target
Total acres planted or tested for potential alternative crops in Nevada.

2. Outcome Type: Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1500</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>2500</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 111 - Conservation and Efficient Use of Water
- 205 - Plant Management Systems
- 216 - Integrated Pest Management Systems
- 601 - Economics of Agricultural Production and Farm Management

4. Associated Institute Type(s)
- 1862 Extension
Outcome # 3
1. Outcome Target
Number learning best management practices for 'living with fire' and wildfire hazards.

2. Outcome Type : Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<tr>
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<td>500</td>
<td>500</td>
<td>400</td>
<td>300</td>
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</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 122 - Management and Control of Forest and Range Fires
- 205 - Plant Management Systems

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 4
1. Outcome Target
Number of participants who apply or use best management or risk management knowledge/skills learned for alternative or sustainable agriculture.

2. Outcome Type : Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>25</td>
<td>25</td>
<td>50</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 121 - Management of Range Resources
- 205 - Plant Management Systems
- 216 - Integrated Pest Management Systems
- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 5
1. Outcome Target
Number of producers or individuals or learn or apply changes in operations to increase niche farming opportunities for Nevada Producers.
2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>Outcome Measure</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2015</td>
<td>25</td>
</tr>
<tr>
<td>2016</td>
<td>25</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 205 - Plant Management Systems
- 601 - Economics of Agricultural Production and Farm Management

4. Associated Institute Type(s)

- 1862 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Public priorities

Description

Natural disasters, especially drought related and fire, are always significant factors in agriculture or natural resource related programming in Nevada. Such may cause a significant change in focus and resources (up or down) and must always be considered.

The primary external factors affecting outcomes now and the next 2-5 years are the economy and appropriations. The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are "under water" at this time.

The poor economy has resulted in significant reductions to tax revenues to the state. Nevada is about $3 Billion short on a $6 Billion budget. This situation along with the state's economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% reduction in our state appropriated budget and the president of the university has proposed increasing the reduction to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover, and proposed state budget cuts could mean an additional loss of up to 70 positions. Additionally, the College of Agriculture, Biotechnology and Natural Resources has been restructured and lost departments and faculty positions during the past fiscal year. The State Department of Agriculture and other state agencies have taken similar reductions in the past and are faced with making similar reductions now. There can and probably will major changes in the POW depending on what resources are allocated for FY12 and FY13.

Finally, reduced appropriations from the Federal level as well as public policy changes (five NIFA priority program areas) will impact what can be done as well.
V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies
V(A). Planned Program (Summary)

Program # 2
1. Name of the Planned Program
Community and Economic Development

2. Brief summary about Planned Program

Community planning and/or economic development activities are of increasing importance. Cooperative Extension has become more active in working with the Nevada Rural Development Council on "community assessments" with local community groups. Also the development and use of the multi-state "Community Business Matching Model" program is being used with a limited number of local communities to help them make decisions about their economic development efforts. Both are intensive collaborative program and will be provided to a limited number of communities in economic modeling and/or conducting community assessments for planning and development.

Cooperative Extension continues to expand leadership development educational programs to organizations, communities or groups across the state. Cooperative Extension is partnering and working more with other groups and organizations on their "leadership" and community planning/activity efforts rather than developing separate stand along Cooperative Extension programs.

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

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

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

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

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
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</thead>
<tbody>
<tr>
<td>608</td>
<td>Community Resource Planning and Development</td>
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<td></td>
<td>60%</td>
<td></td>
</tr>
<tr>
<td>803</td>
<td>Sociological and Technological Change Affecting Individuals, Families, and Communities</td>
<td></td>
<td></td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>805</td>
<td>Community Institutions, Health, and Social Services</td>
<td></td>
<td></td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>806</td>
<td>Youth Development</td>
<td></td>
<td></td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

1. Situation and priorities

Nevada had been the fastest growing state in the nation for 15 of the past 16 years by % of population as well as the most urban. The economic situation in Nevada, however, is one of the worst in
the nation with unemployment averaging 14.4% in 2010 and the state losing 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are "under water" at this time.

The poor economy has resulted in significant reductions to tax revenues to the state. Nevada is about $3 Billion short on a $6 Billion budget. Reductions in community services and programs over the past two years have been significant at city, county and state levels and will be even greater in the next two years.

The need for "community development" programming is great in both urban and the many small rural communities across the state. Many of Nevada's rural economies are natural resource based and have been historically classified as "boom-bust" economies. The current economic climate, however, has had a major negative impact on the previously rapidly growing urban areas of Nevada. As a result, Nevada communities of all sizes are becoming more engaged in community and economic development efforts. The University of Nevada Cooperative Extension works with the University Center for Economic Development to enhance delivery of economic analysis and development programs to rural economies within the state of Nevada.

Given the limited (and shrinking) "community development" related resources in Cooperative Extension, most efforts will be limited in focus and in target audiences. Areas of emphasis will be on "capacity building" for communities, public issues education programs, leadership skills development and economic modeling or other community asset assessments for planning and development.

2. Scope of the Program

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

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

1. Assumptions made for the Program

1. Until FY08 and FY09 it was assumed that funding would remain constant. However, Cooperative Extension had significant cuts in state funding in FY08 (6%) and FY09 (8%). During the past two fiscal years, Cooperative Extension's budget has been decreased an additional 21%. The proposed 72% reduction in state appropriated funds will significantly and negatively impact Extension's programming efforts. In addition, the overall state budget cuts significantly impacted other state/county organizations and agency with whom Cooperative Extension partners as well. There may be, therefore, major changes in the POW at any time.

2. While Nevada has always been one of the fastest growing states in the nation, if not the fastest growing, the recent economic recession has brought population growth to a standstill. Therefore, rapid population and economic growth cannot be assumed for the future. Instead, high unemployment, declining population and high home foreclosures may be the norm for some time to come.

2. Ultimate goal(s) of this Program

For communities and organizations to proactively plan and influence the future develop of their communities in positive ways to make it a desirable and positive environment for individuals, families and
To help individuals and community leaders learn about public policy issues, community assets and economic models so they can make appropriate development plans for their communities.

To enhance the capacity of individuals to function as effective leaders in their organizations and communities, and to become more involved in community or organizational issues.

V(E). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>1890</td>
</tr>
<tr>
<td>2012</td>
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<td>0.0</td>
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</tr>
<tr>
<td>2016</td>
<td>4.0</td>
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</tr>
</tbody>
</table>

V(F). Planned Program (Activity)

1. Activity for the Program

Program efforts continue to find opportunities to develop leadership skills or "capacity building" training for organizations, communities or groups across the state. The need is especially great in the rural areas of Nevada. These efforts, along with assistance in conducting "community assessments," can help local people to be more effective in their local community development efforts.

At this time, assistance is also being provided to a limited number of communities in economic modeling and/or conducting community asset assessments for planning and development.

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

<table>
<thead>
<tr>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Methods</td>
</tr>
<tr>
<td>Workshop</td>
</tr>
<tr>
<td>Group Discussion</td>
</tr>
<tr>
<td>One-on-One Intervention</td>
</tr>
<tr>
<td>Other 1 (Reports/Studies)</td>
</tr>
<tr>
<td>Other 2 (Extension publications)</td>
</tr>
<tr>
<td>Web sites other than eXtension</td>
</tr>
</tbody>
</table>

3. Description of targeted audience

Targeted audiences will be communities, groups or individuals who are interested in "leadership development” programming, as well as community and/or organizational leaders involved in economic development or community planning.
V(G). Planned Program (Outputs)

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

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

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

V(H). State Defined Outputs

1. Output Measure

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
### V(I). State Defined Outcome

<table>
<thead>
<tr>
<th>O. No</th>
<th>Outcome Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of individuals learning new leadership or economic development skills/knowledge.</td>
</tr>
<tr>
<td>2</td>
<td>Number of individuals applying or using new leadership or economic development skills/knowledge in their organizations or communities.</td>
</tr>
<tr>
<td>3</td>
<td>Number of community people involved in &quot;community assessment&quot; of their local community.</td>
</tr>
</tbody>
</table>
Outcome # 1
1. Outcome Target
Number of individuals learning new leadership or economic development skills/knowledge.

2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<tr>
<td></td>
<td>500</td>
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<td>300</td>
<td>300</td>
<td>300</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families, and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 2
1. Outcome Target
Number of individuals applying or using new leadership or economic development skills/knowledge in their organizations or communities.

2. Outcome Type: Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<tr>
<td></td>
<td>100</td>
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<td>100</td>
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<td>100</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families, and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 3
1. Outcome Target
Number of community people involved in "community assessment" of their local community.
2. Outcome Type: Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
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<td>400</td>
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</tr>
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</table>

3. Associated Knowledge Area(s)

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

4. Associated Institute Type(s)

- 1862 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Appropriations changes

Description

The primary external factors affecting outcomes now and in the future are the economy and appropriations.

The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are “under water” at this time.

The poor economy has resulted in significant reductions to tax revenues to the state. Nevada is about $3 Billion short on a $6 Billion budget (over FY12 and FY13). This situation along with the state's economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% cut in our state appropriated budget and the president of the university has proposed increasing the cut to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover (risk management, weeds, horticulture, livestock etc.) and proposed state budget cuts could mean an additional loss of up to 70 positions.

In addition, the overall state budget cuts significantly impacted other state organizations and agency with whom Cooperative Extension partners as well. There will, therefore, probably be changes in the POW at any time.

The volatile nature of today's economy, especially in rural areas is such that it can have a major impact on communities and individuals willingness and resources for "community development" activities. However, these can also provide motivation to take action and make changes too.

Communities and their infrastructure are always subject to changes in public policy, especially those from the Federal or State level. With a new Federal administration driving many changes, the potential for change at the state and local levels is high but also unknown in its impact.
V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies
V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

Health & Nutrition (Healthy Lifestyle & Food Choices)

2. Brief summary about Planned Program

The primary goal is "better individual health, better quality of life and lower medical costs throughout their lifespan." Adopting a healthy lifestyle and food choices are necessary for individuals of all ages to maintain optimal health throughout their lifespan. The various activities of this program are designed to provide health & nutrition educational programs where individuals, families, medical professionals and caregivers can learn the benefits of a healthy lifestyle and proper food habits which promote health and wellbeing. Learning and adoption of more healthful practices are the primary outcomes being sought.

A variety of activities are undertaken to reach at risk individuals, especially minorities, with appropriate information. Publications and curriculum materials are developed for use both in and out of formal educational settings. Nutrition education programs are provided in school classes for older youth, new parents, low income and other audiences as well as the general public. Newsletters, publications and other informational materials are distributed through senior centers and to professional health educators as well as to the general public through the UNCE website.

Many of the classes and programs are delivered by grant funded positions or volunteers which significantly increases the number of individuals reached.

Finally, Nevada has initiated a major "Radon Education Program" because of the significant impacts of radon gas on human lung cancer. This has also resulted in a significant increase in the numbers of contacts.

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

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

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

6. Expending other than formula funds or state-matching funds : Yes
V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
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<tbody>
<tr>
<td>703</td>
<td>Nutrition Education and Behavior</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>723</td>
<td>Hazards to Human Health and Safety</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>724</td>
<td>Healthy Lifestyle</td>
<td>20%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>802</td>
<td>Human Development and Family Well-Being</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>806</td>
<td>Youth Development</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

1. Situation and priorities

Much of the health related problems in Nevada are directly related to lack of proper nutrition, over eating or lifestyle (including lack of physical activity). This is true for all ages and racial and ethnic groups. Over 2/3rds of adults and 1/3rd of youth are overweight. The result is poor health, reduced quality of life and increasing health care cost.

Radon is a major cause of lung cancer in the US. Extensions radon education program is designed to help homeowners and businesses assess their risk and mitigate the problem where it is found. Additional, Cooperative Extension will help to identify the risk statewide through results of home testing.

2. Scope of the Program

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

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

1. Assumptions made for the Program

1. Until FY08 and FY09 it was assumed that funding would remain constant. However, Cooperative Extension had significant cuts in state funding in FY08 (6%) and FY09 (8%). During the past two fiscal years, Cooperative Extension's budget has been decreased an additional 21%. The proposed 72% reduction in state appropriated funds will significantly and negatively impact Extension's programming efforts. In addition, the overall state budget cuts significantly impacted other state/county organizations and agency with whom Cooperative Extension partners as well. There may be, therefore, major changes in the POW at any time.

2. While Nevada has always been one of the fastest growing states in the nation, if not the fastest growing, the recent economic recession has brought population growth to a standstill. Therefore, rapid population and economic growth cannot be assumed for the future. Instead, high unemployment,
declining population and high home foreclosures may be the norm for some time to come.
3. The recent economic recession, loss of employment, reduced income, etc. can potentially impact food and lifestyle choices negatively.
4. People can learn and will make better food and lifestyle choices for better health.

2. Ultimate goal(s) of this Program

Better individual health, better quality of life and lower health costs throughout their lifespan.

V(E). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
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<td>2.0</td>
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</tr>
<tr>
<td>2016</td>
<td>2.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

V(F). Planned Program (Activity)

1. Activity for the Program

A variety of activities will be undertaken to reach at risk individuals, especially minorities, with appropriate information. The various activities of this program are designed to provide health & nutrition educational programs where individuals, families, medical professionals and care givers can learn the benefits of a healthy lifestyle and proper food habits which promote health and wellbeing. Nutrition education programs will be provided in school classes for older youth, new parents, low income, seniors and other audiences as well as the general public. Newsletters, publications and other informational materials will be distributed through senior centers and to professional health educators as well as to the general public through the UNCE website.

The "train the trainer" model will continue to be emphasized with training provided to health care professionals, child care providers, teachers, etc. Many of the classes and programs are delivered by grant funded positions or volunteers.

The radon education program will encourage and provide testing kids for radon testing, training for the general public as well as those in the building industry.

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

<table>
<thead>
<tr>
<th>Direct Methods</th>
<th>Indirect Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3. Description of targeted audience

Targeted audiences are varied. One target audience is those who train or educate others about health lifestyles and food choices (medical professionals, professional care givers) as well as individual adults and youth of all ages. A second target audience is children, youth and families at risk as well as minorities. A third target audience is home and business owners for radon education.

V(G). Planned Program (Outputs)

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

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

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

V(H). State Defined Outputs

1. Output Measure

- Number of students reached through programs in school classes about healthy food choices.
- Number of health professional and others trained/educated about breastfeeding.

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
## V(I). State Defined Outcome

<table>
<thead>
<tr>
<th>O. No</th>
<th>Outcome Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of individuals (adults &amp; youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).</td>
</tr>
<tr>
<td>2</td>
<td>Number of individuals (adults &amp; youth) who adopt one or more healthy lifestyle practices or food choices (behavior).</td>
</tr>
<tr>
<td>3</td>
<td>Number of participants in a diabetes education program (An Ounce of Prevention) improving their knowledge of risk factors for diabetes.</td>
</tr>
<tr>
<td>4</td>
<td>Number of students increasing awareness, knowledge and/or skills related to increasing the consumption of calcium rich foods.</td>
</tr>
<tr>
<td>5</td>
<td>Number of radon test kits distributed and used in Nevada.</td>
</tr>
<tr>
<td>6</td>
<td>Number of homes with high radon levels mitigated to lower radon risks.</td>
</tr>
<tr>
<td>7</td>
<td>Changes in attitude, knowledge, and practice of young adults regarding general nutrition and health, specific issues of pregnancy and breastfeeding and parenting guidance (“Nuturting Partners”).</td>
</tr>
<tr>
<td>8</td>
<td>Number of participants in a diabetes education program (An Ounce of Prevention) making lifestyle or behavior changes to reduce their risks of diabetes.</td>
</tr>
</tbody>
</table>
Outcome # 1

1. Outcome Target

Number of individuals (adults & youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).

2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4000</td>
<td>6000</td>
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</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

4. Associated Institute Type(s)

- 1862 Extension

Outcome # 2

1. Outcome Target

Number of individuals (adults & youth) who adopt one or more healthy lifestyle practices or food choices (behavior).

2. Outcome Type: Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>500</td>
<td>500</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

4. Associated Institute Type(s)

- 1862 Extension

Outcome # 3

1. Outcome Target

Number of participants in a diabetes education program (An Ounce of Prevention) improving their knowledge of risk factors for diabetes.
2. **Outcome Type**: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>250</td>
<td>250</td>
<td>300</td>
<td>300</td>
<td>200</td>
</tr>
</tbody>
</table>

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

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

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

- 1862 Extension

---

**Outcome # 4**

1. **Outcome Target**

Number of students increasing awareness, knowledge and/or skills related to increasing the consumption of calcium rich foods.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1000</td>
<td>800</td>
<td>600</td>
<td>500</td>
<td>400</td>
</tr>
</tbody>
</table>

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

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 806 - Youth Development

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

- 1862 Extension

---

**Outcome # 5**

1. **Outcome Target**

Number of radon test kits distributed and used in Nevada.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>6000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>10000</td>
</tr>
</tbody>
</table>

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

- 723 - Hazards to Human Health and Safety
- 724 - Healthy Lifestyle
4. Associated Institute Type(s)
   ● 1862 Extension

Outcome # 6
1. Outcome Target
Number of homes with high radon levels mitigated to lower radon risks.

2. Outcome Type : Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>100</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
   ● 723 - Hazards to Human Health and Safety
   ● 724 - Healthy Lifestyle

4. Associated Institute Type(s)
   ● 1862 Extension

Outcome # 7
1. Outcome Target
Changes in attitude, knowledge, and practice of young adults regarding general nutrition and health, specific issues of pregnancy and breastfeeding and parenting guidance ("Nuturing Partners")

2. Outcome Type : Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3000</td>
<td>2000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
   ● 703 - Nutrition Education and Behavior
   ● 724 - Healthy Lifestyle
   ● 802 - Human Development and Family Well-Being
   ● 806 - Youth Development

4. Associated Institute Type(s)
   ● 1862 Extension
2012 University of Nevada Extension Plan of Work

**Outcome # 8**

1. **Outcome Target**

   Number of participants in a diabetes education program (An Ounce of Prevention) making lifestyle or behavior changes to reduce their risks of diabetes.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>300</td>
</tr>
<tr>
<td>2013</td>
<td>200</td>
</tr>
<tr>
<td>2014</td>
<td>200</td>
</tr>
<tr>
<td>2015</td>
<td>200</td>
</tr>
<tr>
<td>2016</td>
<td>200</td>
</tr>
</tbody>
</table>

3. **Associated Knowledge Area(s)**
   - 703 - Nutrition Education and Behavior
   - 724 - Healthy Lifestyle

4. **Associated Institute Type(s)**
   - 1862 Extension

---

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

1. **External Factors which may affect Outcomes**
   - Economy
   - Appropriations changes
   - Other (Grant Funding)

**Description**

The primary external factors affecting outcomes now and in the future are the economy and appropriations. The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are "under water" at this time. The down turn in the economy may directly impact individual's ability and motivation to adopt healthy lifestyle and food choices.

The poor economy has resulted in significant reductions to tax revenues to the state. Currently Nevada is about $3 Billion short on a $6 Billion budget for FY12 and FY13. This situation along with the state's economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% cut in Extension's state appropriated budget. However, the president of the university has proposed increasing the cut to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover and proposed state budget cuts could mean an additional loss of up to 70 positions or more.

In addition, the overall state budget cuts significantly impacted other state organizations and agency with whom Cooperative Extension partners as well. There may be, therefore, changes in the POW at any time.

Many of these programs are also supported by grant funding. A change in grants funded or availability of grants could impact programming either positively or negatively.
V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies
V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program
   Human & Family Development

2. Brief summary about Planned Program

   Human & Family Development programming primarily focuses on the interrelated areas of: children, youth and families at risk, positive youth development, parenting education, literacy and child care provider training. Traditional 4-H programs and other 4-H related activities are included as well.

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

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

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

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

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>702</td>
<td>Requirements and Function of Nutrients and Other Food Components</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>703</td>
<td>Nutrition Education and Behavior</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>802</td>
<td>Human Development and Family Well-Being</td>
<td>65%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>803</td>
<td>Sociological and Technological Change Affecting Individuals, Families, and Communities</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>806</td>
<td>Youth Development</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

1. Situation and priorities

   UNCE programming is always based on one or more needs assessments, and needs assessments are an ongoing process. As a result of needs assessments (both formal and informal) Cooperative Extension has developed a variety of efforts to address the interrelated areas of: children, youth and families at risk, positive youth development, parenting education, literacy and child care provider training.

   The Nevada Child Care Work Force Study (Essa, 2002) estimated that there are 40,500 children under six years of age in licensed, paid child care in Nevada. An unknown number (but probably equally large) are in care by relatives and neighbors that is unlicensed and, in some cases, unpaid. Nearly 6,000 Nevada school age children are in licensed care. Because many child care programs for school-age and
adolescent children are not required to be licensed, there are far more school-age children receiving care than 6,000, but the exact number is unknown. There are about 5,400 caregivers providing early care and education in licensed programs in Nevada. In 2002 the State Licensing Regulations for child caregivers was expanded beyond the 12 hours of in-service education to a Career adopted a Ladder for childcare providers with seven levels. In addition, the number of hours of in-service education required for caregivers was recently expanded from 12 to 15 annually.

Need assessments by UNCE in the early '90s identified juvenile justice issues as a priority when results found few alternatives other than detention were available for Elko youth--helping drive the large recidivism rate in that county. Collaborations were formed in several communities (with UNCE involvement) to address this issue. As a consequence of these activities, the award winning Project MAGIC (Making A Group & Individual Commitment) program was developed by Cooperative Extension to target first time and less serious offenders. MAGIC is now conducted in a variety of both urban and rural settings as well as on an Indian Reservation.

Literacy is a concern in Nevada. One quarter of Nevadans--nearly 300,000 youth and adults--are illiterate; they cannot read or write well enough to do simple tasks, such as filling out a job application or reading the newspaper (Nevada Literacy 2000, 1992). Further, teachers in Nevada report that they have children entering school who have never held a book in their hands. Children for whom English is a second language are of particular concern in this country, because they often have difficulty in school. Given the growing percentage of Spanish-speaking immigrants in Nevada, there is an ever-larger numbers of ESL children, at risk for low achievement, entering schools in our state.

While teachers, social workers, and other professionals indicate the need for parenting education, there are no statewide surveys to pinpoint needs. One indicator is the statistics on child abuse and neglect in Nevada. In 2000, there were 12,797 reports of suspected abuse and/or neglect, of which close to 27% were substantiated.

A needs assessment of the needs of senior citizens was completed in December of 2007 and is now being used to plan and develop programs for this fast growing part of the population. It was anticipated that programming would expand into this area but draconian budget cuts may keep it from happening.

2. Scope of the Program

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

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

1. Assumptions made for the Program

1. Given the limited Extension resources, collaborations with community and state agencies or organizations are key to program success.

2. Is is assumed that large proposed budget reductions will occur. The trend in budget reductions will continue. Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% reduction in our state appropriated budget and the president of the university has proposed increasing the reduction to 72% to make up the reduction in the universities.

3. The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are "under water" at this time. It is assumed this will continue from 2011 for 2-5 years.
4. The recent economic recession, loss of employment, reduced income, etc. will potentially have increasingly negative impacts on youth, families, senior citizens and minority groups.

5. The availability of grant funding from other organizations and agencies has been especially important but will become more limited.

2. Ultimate goal(s) of this Program

Primary goals are:
1. Reduced risk and increased protective assets for youth and families at risk.
2. Improve literacy skills of children and parents, including ESL parents & children through programming.
3. Improve the quality of care provided by child care providers through training and educational programming.
4. Provide positive youth development opportunities for all youth.
5. Improve quality of life programming for senior citizens.

V(E). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension 1862</th>
<th>Extension 1890</th>
<th>Research 1862</th>
<th>Research 1890</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2013</td>
<td>6.0</td>
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<td>0.0</td>
</tr>
<tr>
<td>2014</td>
<td>6.0</td>
<td>0.0</td>
<td>0.0</td>
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<tr>
<td>2015</td>
<td>6.0</td>
<td>0.0</td>
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<td>6.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

V(F). Planned Program (Activity)

1. Activity for the Program

A variety of activities will be undertaken including capacity building for other youth and family professionals through education classes and workshops, newsletters, and publications including curriculum. Some curriculum and materials will be web based as well. Also, a variety of activities (workshops, newsletters, one on one interventions, etc.) will be directly focused on youth and families at risk. Some of the programming is also linked to participation in eXtension COPs as well.
2. Type(s) of methods to be used to reach direct and indirect contacts

<table>
<thead>
<tr>
<th>Extension</th>
<th>Direct Methods</th>
<th>Indirect Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>● Workshop</td>
<td>● Newsletters</td>
</tr>
<tr>
<td></td>
<td>● Group Discussion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● One-on-One Intervention</td>
<td></td>
</tr>
</tbody>
</table>

3. Description of targeted audience

Target audiences include:

• Child care providers & other youth/family professionals

• Parents/families

• At Risk Youth & Families including Military families (Regular, Reserves and National Guard) and seniors

V(G). Planned Program (Outputs)

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

• Number of contacts
  ○ Direct Adult Contacts
  ○ Indirect Adult Contacts
  ○ Direct Youth Contacts
  ○ Indirect Youth Contact

• Number of patents submitted
• Number of peer reviewed publications

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
V(H). State Defined Outputs

1. Output Measure

- Number of adults and youth reached in the Family Storyteller literacy program.

- Number of youth reached through the traditional 4-H Club program (ES-237).

- Number of youth reached through 4-H youth development programs through non-4-H Club membership (ES 237).

- Child care providers receiving training to improve their child care skills.

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
### V(I). State Defined Outcome

<table>
<thead>
<tr>
<th>O. No</th>
<th>Outcome Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Child care providers and family/youth professionals learning new knowledge or skills.</td>
</tr>
<tr>
<td>2</td>
<td>Number of youth and parents reached in the Family Storyteller literacy program.</td>
</tr>
<tr>
<td>3</td>
<td>Number of juvenile offenders and parents/guardians participating in Project MAGIC to develop the positive skills and attitudes designed to leave the criminal justice system and become productive members of society (MAGIC).</td>
</tr>
<tr>
<td>4</td>
<td>Parents reached with &quot;Just in Time Parenting&quot; (eXtension) programming to improve knowledge and efficacy of parents about children and parenting.</td>
</tr>
</tbody>
</table>
Outcome # 1
1. Outcome Target
Child care providers and family/youth professionals learning new knowledge or skills.

2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
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<td>1000</td>
<td>1000</td>
<td>1000</td>
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</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 703 - Nutrition Education and Behavior
- 803 - Sociological and Technological Change Affecting Individuals, Families, and Communities

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 2
1. Outcome Target
Number of youth and parents reached in the Family Storyteller literacy program.

2. Outcome Type: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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<tr>
<td>Value</td>
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<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families, and Communities
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

Outcome # 3
1. Outcome Target
Number of juvenile offenders and parents/guardians participating in Project MAGIC to develop the positive skills and attitudes designed to leave the criminal justice system and become productive members of society (MAGIC).
2. **Outcome Type**: Change in Knowledge Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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<tbody>
<tr>
<td></td>
<td>200</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

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

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families, and Communities
- 806 - Youth Development

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

- 1862 Extension

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**Outcome # 4**

1. **Outcome Target**

Parents reached with “Just in Time Parenting” (eXtension) programming to improve knowledge and efficacy of parents about children and parenting.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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</thead>
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<tr>
<td></td>
<td>200</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
</tr>
</tbody>
</table>

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

- 702 - Requirements and Function of Nutrients and Other Food Components
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

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

- 1862 Extension

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

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

- Economy
- Appropriations changes
- Other (Grant funding availability)

**Description**

The primary external factors affecting outcomes now (2011) and the next 2-5 years are the economy and appropriations.
The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are “under water” at this time.

The poor economy has resulted in significant reductions to tax revenues to the state. This situation along with the state’s economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% reduction in our state appropriated budget and the president of the university has proposed increasing the reduction to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover, and proposed state budget cuts could mean an additional loss of up to 70 positions. The poor economy in Nevada (13% unemployment) has made this type of program more necessary than ever but funding is being reduced.

The availability of grant funding from other organizations and agencies has been especially important. Reductions in Extension faculty will certainly lead to reductions in grants received since faculty write the grants!

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies
Program # 5

1. Name of the Planned Program

Childhood Obesity

2. Brief summary about Planned Program

A variety of activities are being undertaken related to childhood obesity. Adopting a healthy lifestyle and food choices are necessary for individuals to maintain optimal health throughout their lifespan but it is particularly important for youth. Rather than trying to treat obesity after it occurs, strategies to prevent excessive weight gain and decrease sedentary activity are needed. Since eating and activity behaviors are established in childhood, obesity prevention experts suggest initiating strategies early in life. This is the primary direction Nevada is taking in its "Childhood Obesity" programming.

The various activities of this program are designed to provide health & nutrition educational programming where youth can learn the benefits of a healthy lifestyle and proper food habits which promote health and well-being. Primarily these activities focus on youth in school and pre-school youth in family settings. The benefits of physical activity as part of a healthy lifestyle are included as well as with physical activities as part of programs.

Nutrition education programs are also provided in school classes, after school settings, new parents, low income and other audiences as well as the general public. Newsletters, publications and other informational materials will be distributed to participants, families, teachers and to professional health educators as well as to the general public through the UNCE website. New curriculum and educational materials are being developed and tested.

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

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

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

6. Expending other than formula funds or state-matching funds : Yes
V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>703</td>
<td>Nutrition Education and Behavior</td>
<td>50%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>724</td>
<td>Healthy Lifestyle</td>
<td>30%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>802</td>
<td>Human Development and Family Well-Being</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>803</td>
<td>Sociological and Technological Change Affecting Individuals, Families, and Communities</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>806</td>
<td>Youth Development</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

1. Situation and priorities

Over 2/3rds of adults and 1/3rd of youth are overweight. This is especially true among minority youth and continues to rise in youth.

Rather than trying to treat obesity after it occurs, strategies to prevent excessive weight gain and decrease sedentary activity are needed. Since eating and activity behaviors are established in childhood, obesity prevention experts suggest initiating strategies early in life. This is the primary direction Nevada is taking in its "Childhood Obesity" programming in working on a comprehensive approach to child obesity education.

2. Scope of the Program

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

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

1. Assumptions made for the Program

Rather than trying to treat obesity after it occurs, strategies to prevent excessive weight gain and decrease sedentary activity are needed. Since eating and activity behaviors are established in childhood, obesity prevention experts suggest initiating strategies early in life. This is the direction Nevada is taking in its "Childhood Obesity" programming.

A multifaceted programming and curriculum addressing obesity and physical activity in younger children and involving parents can have greater impact in childhood obesity rather than waiting until they are older.

2. Ultimate goal(s) of this Program
For youth to learn and adopt healthy eating and physical activities and reduce obesity.

V(E). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1862</td>
<td>1890</td>
</tr>
<tr>
<td>2012</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2013</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2014</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2015</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2016</td>
<td>1.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

V(F). Planned Program (Activity)

1. Activity for the Program

"All for Kids" is an interdisciplinary approach addressing child obesity. Utilizing strategies from maternal/child health and nutrition, exercise physiology and child development, this program encourages preschool children and their families to engender healthy eating habits and being active every day. Cooperative Extension staff provide 24, 30-minute lessons three times a week for eight weeks to preschoolers. Families are engaged in weekly nutrition activities and monthly events to extend the education to the home. This program has been extensively piloted and a variety of curriculum materials and educational tools form videos, to music, etc. have been developed.

"Chefs for Kids" is aimed at 1st and 2nd graders during school. It focuses on food and nutrition as well as physical activity.

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

<table>
<thead>
<tr>
<th>Direct Methods</th>
<th>Indirect Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Education Class</td>
<td>● Newsletters</td>
</tr>
<tr>
<td>● Workshop</td>
<td></td>
</tr>
<tr>
<td>● Demonstrations</td>
<td></td>
</tr>
<tr>
<td>● Other 1 (Music/Dance videos, materials)</td>
<td></td>
</tr>
</tbody>
</table>

3. Description of targeted audience

The primary target audience is per-school youth and youth in elementary school along with their families. A secondary audience is those who teach youth health, nutrition and physical activity or care for youth - parents, teachers, child care providers, health educators, etc.
V(G). Planned Program (Outputs)

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

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

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

V(H). State Defined Outputs

1. Output Measure

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
## V(I). State Defined Outcome

<table>
<thead>
<tr>
<th>O. No</th>
<th>Outcome Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Preschoolers improving physical skills for improved health and weight control (All 4 Kids).</td>
</tr>
<tr>
<td>2</td>
<td>Preschoolers who would choose a health snack over an unhealthy snack when present a choice (All 4 Kids).</td>
</tr>
<tr>
<td>3</td>
<td>First and second grade students learning healthy food choices and good physical activity choices (Chefs For Kids).</td>
</tr>
<tr>
<td>4</td>
<td>Youth learning to make healthy food choices and gaining physical activity through &quot;hands on&quot; school garden based educational programs.</td>
</tr>
<tr>
<td>5</td>
<td>American Indian youth increase awareness of and exposure to a variety of vegetables and fruits, including traditional American Indian varieties (&quot;Veggies For Kids&quot;).</td>
</tr>
</tbody>
</table>
Outcome # 1
1. Outcome Target
Preschoolers improving physical skills for improved health and weight control (All 4 Kids).

2. Outcome Type: Change in Condition Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

---

Outcome # 2
1. Outcome Target
Preschoolers who would choose a healthy snack over an unhealthy snack when present a choice (All 4 Kids).

2. Outcome Type: Change in Action Outcome Measure

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>

3. Associated Knowledge Area(s)
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 806 - Youth Development

4. Associated Institute Type(s)
- 1862 Extension

---

Outcome # 3
1. Outcome Target
First and second grade students learning healthy food choices and good physical activity choices (Chefs For Kids).
2. **Outcome Type**: Change in Knowledge Outcome Measure

\[
\begin{array}{cccccc}
\end{array}
\]

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

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

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

- 1862 Extension

---

**Outcome # 4**

1. **Outcome Target**

Youth learning to make healthy food choices and gaining physical activity through "hands on" school garden based educational programs.

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

\[
\begin{array}{cccccc}
2015: & 200 & 2016: & 0 \\
\end{array}
\]

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

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 806 - Youth Development

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

- 1862 Extension

---

**Outcome # 5**

1. **Outcome Target**

American Indian youth increase awareness of and exposure to a variety of vegetables and fruits, including traditional American Indian varieties ("Veggies For Kids").

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

\[
\begin{array}{cccccc}
2012: & 250 & 2013: & 300 & 2014: & 300 \\
\end{array}
\]

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

- 703 - Nutrition Education and Behavior
- 802 - Human Development and Family Well-Being
4. Associated Institute Type(s)

- 1862 Extension

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Appropriations changes
- Other (Grant availability)

Description

The primary external factors affecting outcomes now and the next 2-5 years are the economy and appropriations.

The economic situation in Nevada is one of the worst in the nation with unemployment averaging 14.4% in 2010 and the state lost 70,000 residents to out-migration in 2010 for first time in over 30 years! Nevada has the highest home foreclosure rate in the nation and 65% of homes are "under water" at this time.

The poor economy has resulted in significant reductions to tax revenues to the state. This situation along with the state's economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% reduction in our state appropriated budget and the president of the university has proposed increasing the reduction to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover, and proposed state budget cuts could mean an additional loss of up to 70 positions.

Grant funding is key to this program. A major $1Million grant has been received to expand beyond the programming efforts. Grant funding and community resources (volunteer as well as funding) are the major sources of program support at this time. Losing 70+ positions in Cooperative Extension will eliminate positions that write grants for some of these programs.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

{NO DATA ENTERED}
V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Climate Change: Water Quality, Quantity, Uses & Management

2. Brief summary about Planned Program

This program focuses primarily on water quality, quantity, uses and management. Since Nevada is the driest state in the nation, yet the most urban state, water issues and changing land use and climatic or other environmental conditions have significant impact. The intent is to make best use of water, water management and conserve energy at the same time while improving the environment.

Budget reductions and empty positions have made programming limited in recent years but the intent is to increase programming.

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

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

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

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

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Appraisal of Soil Resources</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>Protect Soil from Harmful Effects of Natural Elements</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>Conservation and Efficient Use of Water</td>
<td>60%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>Weather and Climate</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>Air Resource Protection and Management</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 100%

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

1. Situation and priorities

Since Nevada is the driest state in the nation, yet the most urban state, water issues and changing land use and climatic or other environmental conditions have significant impact on both urban and rural environments. Lake Tahoe is a particularly fragile alpine lake as well.

2. Scope of the Program
2012 University of Nevada Extension Plan of Work

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

V(D). Planned Program (Assumptions and Goals)
1. Assumptions made for the Program

   In a dry state like Nevada water is significantly impacted by both environmental and climatic conditions.

2. Ultimate goal(s) of this Program

   To help individuals, communities and public officials manage and use water in an environmentally sound manner consistent with water availability and with climatic conditions.

V(E). Planned Program (Inputs)
1. Estimated Number of professional FTE/SYs to be budgeted for this Program

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension 1862</th>
<th>Extension 1890</th>
<th>Research 1862</th>
<th>Research 1890</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2013</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2014</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2015</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2016</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

V(F). Planned Program (Activity)
1. Activity for the Program

   This program will focus primarily on teaching homeowners, land owners/manager and public officials how to effective manage water quality, quantity and uses. Workshops, publications and one on one methods will be used along with the media.

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

<table>
<thead>
<tr>
<th>Extension</th>
<th>Direct Methods</th>
<th>Indirect Methods</th>
</tr>
</thead>
</table>

Report Date  11/01/2011
3. Description of targeted audience

The target audience is varied - home/property owners, water resource managers, public officials, public officials, land use managers, etc.

V(G). Planned Program (Outputs)

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

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

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V(H). State Defined Outputs

1. Output Measure

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
V(I). State Defined Outcome
V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Appropriations changes

Description

1. Until FY08 and FY09 it was assumed that funding would remain constant. However, Cooperative Extension had significant cuts in state funding in FY08 (6%) and FY09 (8%). During the past two fiscal years, Cooperative Extension's budget has been decreased an additional 21%. The proposed 72% reduction in state appropriated funds will significantly and negatively impact Extension's programming efforts.

   In addition, the overall state budget cuts significantly impacted other state/county organizations and agency with whom Cooperative Extension partners as well. There may be, therefore, major changes in the POW at any time. These changes also impact the positions and resources available for programming which were limited to begin with.

2. While Nevada has always been one of the fastest growing states in the nation, if not the fastest growing, the recent economic recession has brought population growth to a standstill and over 70,000 people left the state in 2010. Therefore, rapid population and economic growth cannot be assumed for the future. Instead, high unemployment, declining population and high home foreclosures may be the norm for some time to come.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

{NO DATA ENTERED}
V(A). Planned Program (Summary)

Program # 7
1. Name of the Planned Program
Food Safety

2. Brief summary about Planned Program

   Not applicable at this time. Because of past and planned budget reductions, with the loss of positions, there is no major planned programming in this NIFA priority area at this time. Some programming may occur as a part of other nutrition education programs but "food safety" will not be a major focus.

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

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

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

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

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

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

1. Situation and priorities
   Not applicable at this time.

2. Scope of the Program
   - In-State Extension

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

1. Assumptions made for the Program
   Not applicable at this time.

2. Ultimate goal(s) of this Program
   Not applicable at this time.

V(E). Planned Program (Inputs)
1. **Estimated Number of professional FTE/SYs to be budgeted for this Program**

<table>
<thead>
<tr>
<th>Year</th>
<th>Extension 1862</th>
<th>Extension 1890</th>
<th>Research 1862</th>
<th>Research 1890</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2013</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2014</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2015</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2016</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

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

1. **Activity for the Program**

   Not applicable at this time.

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

   **Extension**

<table>
<thead>
<tr>
<th>Direct Methods</th>
<th>Indirect Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Workshop</td>
<td>● Newsletters</td>
</tr>
<tr>
<td>● Group Discussion</td>
<td></td>
</tr>
<tr>
<td>● One-on-One Intervention</td>
<td></td>
</tr>
</tbody>
</table>

3. **Description of targeted audience**

   Not applicable at this time.
V(G). Planned Program (Outputs)

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

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

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V(H). State Defined Outputs

1. Output Measure

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
V(I). State Defined Outcome
V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Appropriations changes

Description

The primary external factors affecting lack of programming in this area related to economy and appropriations - both of which have led to loss of faculty and program resources.

The poor economy has resulted in significant reductions to tax revenues to the state. Nevada is about $3 Billion short on a $6 Billion budget. This situation along with the state’s economic situation has resulted in Cooperative Extension taking a 21% over two years for FY10 and FY11. For FY12 and FY13 the Governor has proposed a 33% reduction in our state appropriated budget and the president of the university has proposed increasing the reduction to 72% to make up the reduction in the universities reduced budget!!! Earlier cuts have resulted in lost positions and faculty turnover, and proposed state budget cuts could mean an additional loss of up to 70 positions.

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies

{NO DATA ENTERED}
V(A). Planned Program (Summary)

Program # 8
1. Name of the Planned Program
Sustainable Energy: Sustainable Living

2. Brief summary about Planned Program
Not applicable at this time.

3. Program existence : New (One year or less)
4. Program duration : Short-Term (One year or less)
5. Expending formula funds or state-matching funds : Yes
6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)
1. Program Knowledge Areas and Percentage

V(C). Planned Program (Situation and Scope)
1. Situation and priorities
{NO DATA ENTERED}

2. Scope of the Program

V(D). Planned Program (Assumptions and Goals)
1. Assumptions made for the Program
{NO DATA ENTERED}

2. Ultimate goal(s) of this Program
{NO DATA ENTERED}

V(E). Planned Program (Inputs)
1. Estimated Number of professional FTE/SYs to be budgeted for this Program

V(F). Planned Program (Activity)
1. Activity for the Program

{NO DATA ENTERED}

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

<table>
<thead>
<tr>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Methods</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

3. Description of targeted audience

{NO DATA ENTERED}

V(G). Planned Program (Outputs)

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

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V(H). State Defined Outputs

1. Output Measure

☐ Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.
V(I). State Defined Outcome
V(J). Planned Program (External Factors)
1. External Factors which may affect Outcomes

Description
{NO DATA ENTERED}

V(K). Planned Program - Planned Evaluation Studies

Description of Planned Evaluation Studies
{NO DATA ENTERED}