

## **Community Services Department - Cultural Service Contracts FY2019 Quarterly Report**

Check one:

- |                                     |                     |
|-------------------------------------|---------------------|
| <input checked="" type="checkbox"/> | Q1 July –September  |
| <input type="checkbox"/>            | Q2 October-December |
| <input type="checkbox"/>            | Q3 January-March    |
| <input type="checkbox"/>            | Q4 April-June       |

Contractor: **NMSU Cooperative Extension Services**

Address: 475 20 <sup>th</sup> Street, Suite A, Los Alamos, NM 87544 Telephone: (505) 662-2656
Hours of Operation: 8:00 a.m. to 4:30 p.m. Monday-Friday
<b>Name and Title of Person completing this report form: Carlos Valdez, Los Alamos Cooperative Extension Program Director</b>

The following services were agreed to in the contract:

### **SECTION A. SERVICES:**

#### **1. Contractor Services.**

1. NMSU shall provide the equipment and qualified personnel necessary to complete the following services:
  - A. Provide comprehensive Extension Service Programs to the residents of Los Alamos County. These programs and services will include, but not be limited to, horticulture, landscape water conservation education, integrated pest management, organization of the County Fair indoor and 4-H livestock exhibits, Master Gardener’s Program, home economics, health awareness, food safety and preparation, nutrition and meal planning, and youth development (4-H).
  - B. Disseminate information to the public regarding the activities of the Extension Service by use of the news media and other appropriate means of announcing activities and events.
  - C. Maintain operation of the Cooperative Extension Service Offices with the facility open to the public during hours that will provide for maximum public access within the available funding level. Generally, the Cooperative Extension Service Offices will be open Monday through Friday, 8:00 a.m. to 4:30 p.m., except for County holidays. NMSU shall make decisions regarding hours of operation during inclement weather and shall disseminate that information to the public as quickly as possible using local news media and social media.
  - D. Collaborate with County departments and/or community cultural service providers on the presentation of a minimum of four (4) events, activities, or programs.

- E. Oversee maintenance of the live horticultural elements at the Los Alamos Demonstration Garden located at the corner of Oppenheimer Drive and Central Avenue.
- F. Provide opportunities for youth and adult feedback and input into programs, events and activities offered through surveying. Incorporate this information into the design and implementation of new and existing programs.

**2. Deliverables:** NMSU shall provide:

- A. An annual financial review performed by an independent party with acknowledged financial experience to include, at a minimum, all financial records relating to the term of the Agreement, and furnishing County with a copy of such review as soon as it is available from NMSU each year. A copy of NMSU's most recent financial audit performed by an accountant or accounting firm may be accepted in lieu of the financial review. This provision shall survive termination of this Agreement.
- B. Written reports covering each three (3) month period of the term of the Agreement beginning July 1, 2017. The reports will include financial information describing NMSU's use and expenditures of County funding and, at a minimum, summarize information on:
  - 1. The efforts undertaken and results of NMSU's solicitation of meaningful participant input and/or feedback and a demonstrated willingness to act on this information;
  - 2. The level of participation, reported by age, gender, and residence of the participants in the various programs, events, and other activities associated with the Cooperative Extension Service Office;
  - 3. The number of requests for assistance in both the Horticulture, Home Economics and Youth Development Programs; and
  - 4. The level and results of NMSU's collaboration and coordination of effort with other community service providers

NMSU shall furnish these reports to County within thirty (30) days after the end of each reporting period

**Provide Quarterly Report information addressing the Deliverables listed in Section B above.** (You may use charts, graphs, bulleted lists or other formats as long as measurable information regarding deliverables is provided.)

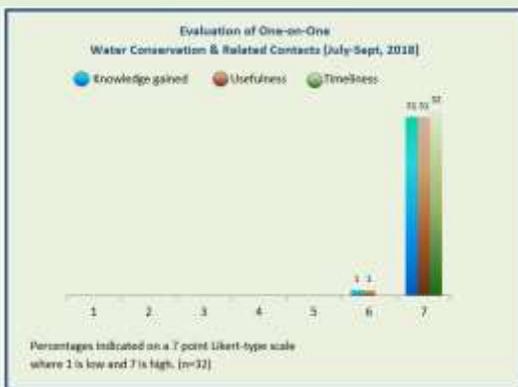
## 2019 1<sup>st</sup> Quarterly Report

### The Impact: FY2019 1st Quarter

Los Alamos Extension made **239** one-on-one contacts with county residents specific to water conservation and landscapes between the first of July and the end of September including plant selection and proper irrigation techniques, use of mulches and general cultural issues such as fertilizing and pruning.  
[213(W);11(A),15(H);158(F),81(M)]

A post contact survey measuring perceived gains in knowledge, usefulness of that knowledge and timeliness of the agent was distributed to 41 clientele. Thirty-two responded for a response rate of 78%.

Of the sample surveyed, all fifty-seven (n=32) indicated on a seven-point Likert-type scale, where 1 represented little and seven represented much, a higher than neutral response to the questions of knowledge gained, usefulness and timeliness.



### Water Conservation Education

#### The Issue

Los Alamos County currently relies on existing ground water rights of 5,541 acre-feet /year to supply its customers' water demands. Current residential water use represents about 70 percent of water use, not including LANL, and a significant proportion of this is in the landscape. A comparison with other cities in New Mexico for 2011 shows that Los Alamos County exceeds Santa Fe, Rio Rancho, Albuquerque and Alamogordo. This information demonstrates the need for an aggressive approach to water conservation in Los Alamos County especially among the residential customer class.

#### Los Alamos Extension Service Action

- Working with homeowners to select trees, shrubs and other landscape plants which meet their needs while minimizing landscape water use.
- Working with homeowners to determine what those water needs are by discussing water saving strategies such as irrigation techniques and frequency, soil improvement using compost and use of mulches.
- Helping homeowners with learning routine maintenance techniques to keep plants happy and healthy. This includes activities such as pruning and fertilization which will keep the landscape at its peak and more resistant to extreme temperatures and drought.
- Oversee maintenance & development of the Los Alamos Demonstration Garden which features over 300 plants well adapted to the climate and soils of the Paraiito Plateau



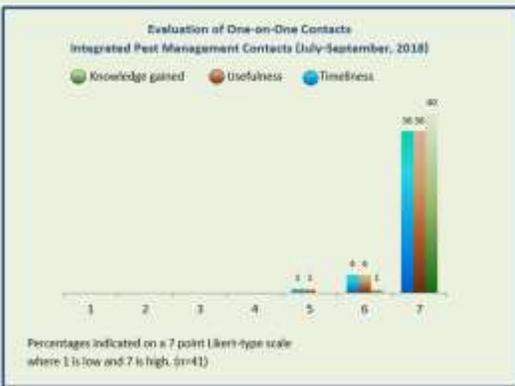
Los Alamos Master Gardeners share with a visiting Santa Fe garden club

**The Impact: FY2019 1<sup>st</sup> Quarter**

Los Alamos Extension made **263** one-on-one contacts with county residents on integrated pest management related to plant disease, insects and weeds in addition to **29** contacts related to wildlife management.  
[259(W);13(A),20(H);181(F),82(M)]

A post contact survey measuring perceived gains in knowledge, usefulness of that knowledge and timeliness of the agent was distributed to 48 clientele. Forty-one responded for a response rate of 85%.

Of the sample surveyed, all forty-one (n=41) indicated on a seven-point Likert-type scale, where 1 represented little and seven represented much, a higher than neutral response to the questions of knowledge gained, usefulness and timeliness.



*Cytospora canker on Spruce is on the rise*

**Integrated Pest Management**

**The Issue**

A wide variety of pesticides are heavily used in the urban environment for insects, disease, weeds and wildlife control. The leaching of chemicals out of the soil and into water supplies, and potentially acute and chronic human health effects, especially among those with a respiratory or allergy problem, are also causes for concern over urban pesticide use. These concerns need to be addressed by the Extension Service by promoting urban integrated pest management strategies that pose far less risk to humans and the environment than traditional strategies.

In addition, the proximity of Los Alamos to the Jemez Mountains drives an unusually high number of incidents with local wildlife. Although wildlife management is often thought of in terms of protecting, enhancing, and nurturing wildlife populations and the habitat needed for their wellbeing, many species at one time or another require management actions to reduce conflicts with people or with other wildlife species.

**Los Alamos Extension Service Action**

- Working with homeowners to develop strategies that focus on long-term prevention of pests and disease or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties.
- Working with homeowners to select pesticide treatments in a manner that minimizes risks to human health, beneficial and non-target organisms, and the environment.
- Enhance local horticultural security and limit the impact of endemic, emerging, and exotic pathogens and pests on plants in Los Alamos County through early detection, accurate diagnosis and rapid communications to homeowners.
- Helping homeowners with the management of wildlife that are causing problems and the control of damage that they cause. Emphasis is on prevention of damage when possible, but does not neglect the necessity of population reduction in those cases where animals must be removed to solve problems.

***The Impact: FY2019 1<sup>st</sup> Quarter***

Eight of the sixteen participants who completed the 16 –week core curriculum phase of the NDPP program are continuing with an additional eight classes. Participants in the program are adopting a lifestyle that includes healthy living and physical activity through monitoring.

Post-tests indicated participants in the food preservation classes showed a 51% knowledge gain in the following areas:

- prevention of foodborne illness;
- food storage and safety;
- canning basics;
- canning acid foods;
- canning low-acid foods;
- preserving jams and jellies;
- drying food products

Fifty-nine participants in the “Utilizing the Farmers Market” at the senior centers learned how to shop for produce, the proper storage of that produce and the use of herbs and spices.

Fifty-nine participants in the “Nutrition for Cognition” at the senior centers learned how diet affects long-term brain health.



**Family and Consumer Sciences**

***The Issue***

Family and Consumer Sciences clientele face a number of quality of life issues in eight core areas:

- Consumer Education and Resource Management
- Early Childhood Education
- Family and Interpersonal Relationships
- Food Production and Services
- Foods, Nutrition and Wellness
- Housing, Interiors and Design
- Parenting Education and Human Development
- Textiles, Apparel and Fashion

***Los Alamos Extension Service Action***

Facilitated the National Diabetes Prevention Program (NDPP), a lifestyle intervention/prevention curriculum structured lifestyle change program.

Facilitated five food preservation classes to include water bath and pressure canning, and food dehydration.

Conducted two seminars for the Los Alamos and White Rock Senior Center on “Utilizing the Farmers Market” and “Nutrition for Cognition.”



*2018 food preservation classes*

***The Impact: FY2019 1<sup>st</sup> Quarter***

The Los Alamos Master Gardeners' Association is a community service organization whose members have successfully completed the NMSU's Cooperative Extension Service Master Gardener Volunteer training. Locally, Master Gardener training began in the early 1980s. The local association was formed by the agent in July 1994 and currently enjoys a steady membership level of at least forty. [50(W),2(A);43(F),9(M)].

During the reporting period Master Gardener volunteers contributed 164 hours of work to community projects for a total value of \$4049 (based on formula provided by the U.S. Bureau of Labor Statistics). Major effort during this quarter was the continued maintenance of the Los Alamos Demonstration Garden. The garden is currently home to over 300 trees, shrubs and perennial plants that have been selected for their adaptation to our local environment. There are approximately seven visitors to the Garden each day during the growing season

Forty-two volunteers contributed 356 hours, worth \$8790, to entry, judging and display of 290 indoor exhibits at the Los Alamos County Fair. There were 894 visitors to Mesa Public Library who viewed the exhibits.

Beyond the economic impact, the county fair and rodeo provide many benefits to the community that are not related to economic gains including family friendly entertainment, education about agriculture, opportunities for local organizations to get involved, traditional community events, and unique entertainment opportunities.

**Community Development**

***The Issue***

The Los Alamos community faces complex issues which cannot be addressed in isolation. Extension programming places emphasis on building community capacity through collaborations that address pressing issues. Extension takes the leadership with some of the programming efforts but works towards inclusion and encouragement of others to take leadership, acting as facilitators or evaluators, or teaching content for programs; all within the context of shared responsibility and a team philosophy.

***Los Alamos Extension Service Action***

- Working with the Los Alamos Master Gardeners' Association to promote knowledgeable, effective, and safe horticultural and gardening practices in furtherance of New Mexico State Universities' Cooperative Extension Service.
- Working with volunteers to facilitate the indoor exhibits at the Los Alamos County Fair.
- Provide support to Los Alamos Retired Senior Organization, Los Alamos Community Health Council, Los Alamos Heart Council, Los Alamos Council on Cancer and Los Alamos County Fair & Rodeo Committee in furtherance with their individual missions.



*2018 Los Alamos County Fair Exhibits*

**The Impact: FY2018 1<sup>st</sup> Quarter**

A study by Tufts University (which included 4-H members from Los Alamos County) found that compared to their peers, 4-H'ers are nearly 4 times more likely to make contributions to their communities, twice as likely to be civically active and twice as likely to participate in STEM during out-of-school programs.

- Four local 4-H'ers exhibited livestock (two meat goats, two rabbits, a pig and a lamb) at the Rio Arriba County Fair and realized over \$2600 in the sale ring. 4-Hers were challenged with real-life issues as they learn responsibility through raising, showing and judging livestock. Livestock projects gave members the opportunity to practice and acquire new knowledge in the fields of animal science, business, time management and leadership.
- Local youth exhibited posters of their projects at the New Mexico State Fair. and is attended by over 200 teens from throughout New Mexico.
- Through funding from the National 4-H Healthy Living Initiative, two members were trained to serve as Healthy Living Ambassadors. The program teaches leadership skills and prepares them to assist in educating fellow students in the community and elsewhere to make healthy food choices. The Los Alamos county ambassadors have assisted the FCS agent in talking to the elementary school classes and set up a booth at the LA County Fair where they gave out breakfast parfaits to approximately 150 individuals who also received nutrition handouts and discussed the importance of eating breakfast.

**4-H and Youth Development**

**The Issue**

4-H is a youth development organization serving young people ages 5-19. 4-H provides youth development programs with a focus on science, health and citizenship. 4-H is a positive youth development organization that empowers young people to reach their full potential. A vast community of youth and adults working together for positive change, 4-H enables Los Alamos youth to emerge as leaders through hands-on learning, research-based 4-H youth programs and adult mentorship, in order to give back to their local communities.

**Los Alamos Extension Service Action**

- Using 4-H project materials and curriculum kits dedicated time to teach life skills, Los Alamos Extension to two Los Alamos 4-H clubs [132(W),18(H),12(B),9(A); 95(F)76(M)].



*Los Alamos 4-H'ers at Rio Arriba County Fair*



*Healthy Living Ambassadors at Los Alamos County Fair*

**Total 1<sup>st</sup> Qt. Contacts: 2183**

**Ornamental Horticulture (532)**  
 Water Conservation & Landscapes (239)  
 Integrated Pest Management (292)  
**Family & Consumer Sciences (182)**  
 Food & Nutrition (154)  
 Food Preservation (28)  
**Community Development (1146)**  
 Master Gardener (156)  
 Community Health Councils (54)  
 County Fair (936)  
**Youth Development (323)**  
 Traditional 4-H (323)

**Collaborations**

Los Alamos County Parks & Rec and Community Development Departments, LA Master Gardeners Association, PEEC, New Mexico State Forestry, New Mexico Environment Dept., New Mexico Dept. of Agriculture, LARSO, LAVA, Los Alamos Council on Cancer, Los Alamos Heart Council, LAPS, New Mexico Dept. of Health, Los Alamos Community Health Council, Los Alamos Senior Citizen Advisory Council, Los Alamos Master Food Preservers, Rio Arriba County Fair Board, KRSN Radio, LA Cares food distribution program, Los Alamos Daily Post, NMSU specialists, Rio Arriba County Extension, Santa Fe County Extension.

**Other Information to Share**

The Horticulture agent participated in the following professional improvement activities:

- FMLA Training Web Training, September, 2018
- Emergency Preparedness Web Training, September, 2018
- Drug Free Workplace Web Training, September, 2018
- Title IX Prevention and Response to Sexual Violence Web Training, September, 2018
- FERPA Web Training, September, 2018
- Discrimination and Harassment Web Training, September, 2018
- Computer and Data Security Web Training, September, 2018
- Communicating Rates in a Changing Water Landscape, Webinar, September 2018

The FCS Agent participated in the following professional improvement activities:

- FMLA Training Web Training
- Emergency Preparedness Web Training
- Drug Free Workplace Web Training
- Title IX Prevention and Response to Sexual Violence Web Training
- FERPA Web Training
- Discrimination and Harassment Web Training
- Computer and Data Security Web Training

The FCS received the following professional awards:

- Healthy Living Award, NMNEAFCS, State Award 1st Place
- Healthy Living Award, NEAFCS Regional Award, 1st Place
- Healthy Living Award, NEAFCS, National Award, 1st Place

<b>Annual Financial Review Attached?</b> (Check one)	<b>Yes</b> Date of Report:	<b>No X</b>
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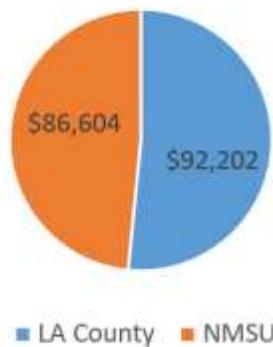
**Financial Information:**

<i>MOA17-905 Report on LAC Direct Funding Only</i> \$92,202.00	<b>1<sup>st</sup> Quarter FY2018</b> (July – Sept)	<b>2<sup>nd</sup> Quarter FY2018</b> (October – Dec)	<b>3<sup>rd</sup> Quarter FY2018</b> (January – March)	<b>4<sup>th</sup> Quarter FY2018</b> (April – June)
<b>Type of Expense</b>				
Personnel	21,883.99	21,883.99	21,883.99	21,883.99
Educational supplies	889.45			
Office Supplies	283.67			
Travel/Out of County Activity	387.95			
Telecom	405.25			
Storage	164.34			
<b>Total Expenses</b>	<b>24,014.65</b>			

**\*\*\$1700.00 was realized for the Healthy Living Initiative from the National 4-H Council and Walmart.**

**Please note that this does not include other NMSU program delivery costs of the Cooperative Extension Service, which support your County Extension Service Program such as NMSU subject matter specialists, administrative and supervisory support, as well as educational materials.**

Total Cooperative Extension Service Funding



Salary & Benefits/Operations & Maintenance



**Performance Metrics:**

**Qtr 4 (Apr – Jun)**

**# Participants served through Cooperative Extension Programs Per Quarter:**

**Qtr 3 (Jan – Mar)**

**# Participants served through Cooperative Extension Programs Per Quarter:**

**Qtr 2 (Oct – Dec.)**

**# Participants served through Cooperative Extension Programs Per Quarter:**

**Qtr 1 (July – Sep)**

**# Participants served through Cooperative Extension Programs Per Quarter: 2183**