

FY2020 CULTURAL CONTRACT QUARTERLY REPORT FORM

CONTRACTOR: NMSU COOPERATIVE EXTENSION

FY20 QUARTER: Q1

AGR 17-905

Completed by: Carlos Valdez, Program Director

2. Deliverables. Contractor shall provide:

- A. An annual financial _____ audit or review _____ performed by an independent party with acknowledged financial experience to include, at a minimum, all financial records relating to the Agreement Term, and furnishing County with a copy of such audit within ninety (90) days after the end of County's fiscal year.
- B. Written reports, on forms provided by County, covering each three (3) month period of the Agreement beginning July 1, 2017. The reports shall include financial information describing Contractor's use and expenditures of County funding and, at a minimum, summary information describing:
 - i. The efforts undertaken and the results of Contractor's solicitation of meaningful participant input and/or feedback and a demonstrated willingness to act on this information;
 - ii. The level of participation, reported by age, gender, and residence of the participants, in the various programs, events, and other activities associated with the _____;
 - iii. The level of increased visitation to the Los Alamos area as a result of the contractor's events, programs, and services, if applicable;
 - iv. The level and results of Contractor's collaboration and coordination of effort with other community service providers;
 - v. A description of any applications for grants or solicitations for other funding sources related to the scope of work and the status of the applications or solicitation efforts;
 - vi. A description of the Contractor's efforts to market/advertise events, programs and services;
 - vii. A summary description of the use of County funding to support Contractor's efforts to provide scholarships and/or to make _____ classes affordable to lower income participants.

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

FINANCIAL INFORMATION (report on LAC direct funding only)

Is Annual Financial Review attached? **No*** If yes, date:

*Annual audits at NMSU are in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Independent audits of the University are generally complete by the end of October following the fiscal year end at which time an exit conference is held with representatives from the Board of Regents, NMSU administration and chief financial officers, NMSU component units and outside auditors. Following this meeting the audit is presented to and accepted by the NMSU Board of Regents and prepared for publishing which usually available in January.

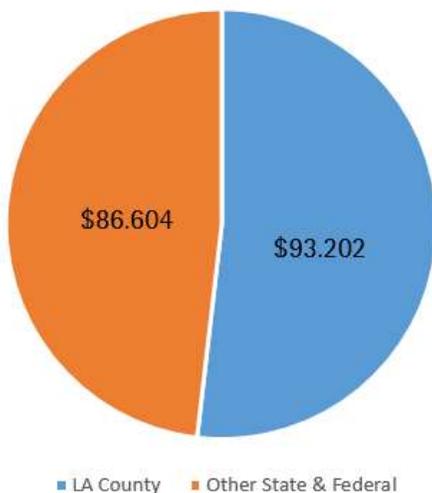
| Type of Expense | Q1(July-Sept) | Q2(Oct-Dec) | Q3(Jan-Mar) | Q4(Apr-June) |
|----------------------|---------------------------|-------------|-------------|--------------|
| Personnel | 21,884.00 | 21,884.00 | 21,884.00 | 21,884.00 |
| Supplies | 253.72 | | | |
| Event/Program | 457.43 | | | |
| Media | 217.83 | | | |
| Misc. Expense | 129.34 | | | |
| TOTAL | <u>\$22,942.32</u> | | | |

Description of grants or solicitations for other funding sources related to the scope of work:

Additional funding:

- NMSU program delivery costs of the Los Alamos CES such as NMSU subject matter specialists, administrative and supervisory support, as well as some educational materials.
- \$1636.00 was realized from the Master Gardener iris sale
- \$1700.00 was realized for the Healthy Living Initiative from the National 4-H Council and Walmart
- JBI - \$1000
- Kitchen Creations - \$2700
- Healthy Living ambassador program - \$7200
- NEAFCS Travel contribution - \$850

CES Funding



PROGRAMMING/SERVICES INFORMATION

| List programs (targeted for all ages) | # participants | #residents | #non-residents | # providing feedback | # rating EXP. good or excellent or knowledge gained |
|---------------------------------------|----------------|------------|----------------|----------------------|---|
| Los Alamos County Fair | 563 | 563 | | 9 | 9 |
| Food Preservation | 13 | 13 | | 13 | 13 |

| List programs (targeted for adults only) | # participants | #residents | #non-residents | # providing feedback | # rating EXP. good or excellent or knowledge gained |
|--|----------------|------------|----------------|----------------------|---|
| Water Conservation | 211 | 197 | 14 | 52 | 52 |
| Integrated Pest Mgmt. | 304 | 299 | 5 | 61 | 61 |
| Master Gardener Program | 52 | 52 | | 17 | |
| Emergency Preparedness for the Home | 57 | 57 | | | |
| Low Salt Cooking & High Blood Pressure | 6 | 6 | | | |

| List programs (targeted for youth only) | # participants | #residents | #non-residents | # providing feedback | # rating EXP. good or excellent or knowledge gained |
|---|----------------|------------|----------------|----------------------|---|
| Traditional 4-H Program | 101 | 46 | 55 | | |
| Shooting Sports Program | 21 | 21 | | 21 | 21 |
| Afterschool Nutrition Program | 10 | 10 | | | |
| Healthy Living Program | 76 | 54 | 22 | | |
| Total | 1414 | | | | |

Note: Extension experts address local issues with research-based knowledge and resources, creating opportunities and empowering people to collaboratively solve problems. The use of Extension Service county advisory committees has been a long time established practice. It is the purpose of these advisory committees to ensure that local issues are reflected in educational programs and that educational resources are available to address the identified needs. Committees meet annually or as needed.

For the quarter, please report:

of people providing feedback ** **173**

paid staff hours: **1780**

rating EXP. good or excellent or knowledge gained: **156**

volunteer hours: **322**

**Include numbers already reported under programs in addition to any other feedback contractor may have received

Cooperative Extension Service 2020 1st Quarterly Report

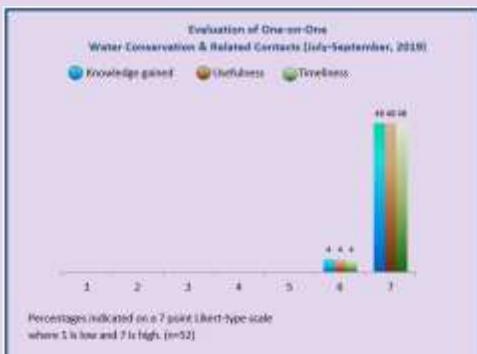
The Impact: FY2020 1st Quarter

Los Alamos Extension made **211** 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.

[194(W),6(A),11(H);137(F),74(M)]

A post contact survey measuring perceived gains in knowledge, usefulness of that knowledge and timeliness of the agent was distributed to 52 clientele. Thirty-two responded for a response rate of 90%.

Of the sample surveyed, all thirty-two (n=52) 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.



The horticulture agent conducted three irrigation water audits during the reporting period. The audits provide information about the uniformity of application, rate of precipitation, and overall condition of an irrigation systems.

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 Parajito Plateau.



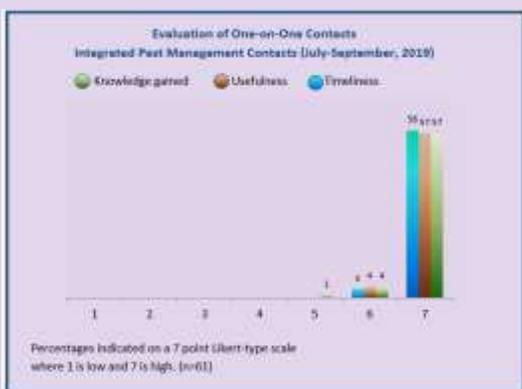
¹ Coral Canyon Rockcress Demo Garden

The Impact: FY2020 1st Quarter

Los Alamos Extension made **271** one-on-one contacts with county residents on integrated pest management related to plant disease, insects and weeds in addition to **33** contacts related to wildlife management.
[281(W),11(A),12(H);193(F),111(M)]

A post contact survey measuring perceived gains in knowledge, usefulness of that knowledge and timeliness of the agent was distributed to 72 clientele. Sixty-one responded for a response rate of 85%.

Of the sample surveyed, all sixty-one (n=61) 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.



Leaf scorch was prevalent on deciduous trees this summer.

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: FY2020 1st Quarter

Thirteen 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;
- drying food products
- cheese making

Participant post tests knowledge gain showed a combined 48% knowledge gain regarding safe and USDA recommended food preservation practices.



Dehydrating workshop



Family and Consumer Sciences

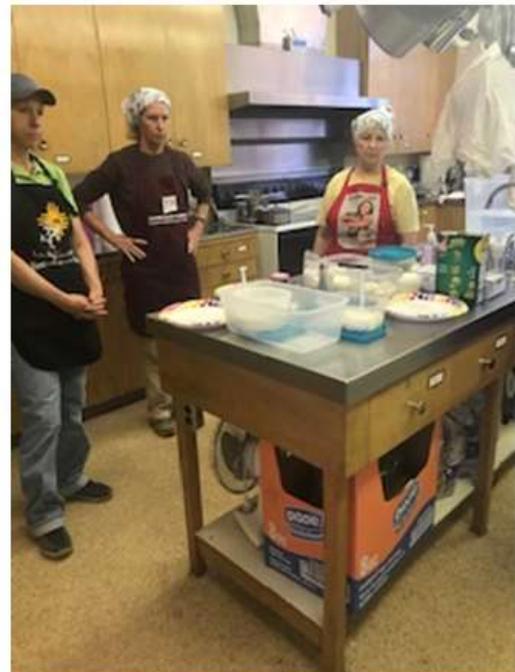
The Issue

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

- Conducted a presentation on “Emergency Preparedness for the Home” at the Los Alamos Senior Center,
- Conducted a presentation at White Rock Senior Center on Low Salt Diets and High Blood Pressure.
- Facilitated five food preservation classes to include food dehydration and cheese making [13(W);12(F),1(M)]
- Answered a variety of food preservation questions from throughout the county, region, and a few national inquiries.



Cheese making workshop

The Impact: FY2020 1st 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 138 hours of work to community projects for a total value of \$3381 (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 184 hours, worth \$4058, to entry, judging and display of 335 indoor exhibits at the Los Alamos County Fair. There were 563 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.



2019 County Fair

The Impact: FY2020 1st Quarter

- Eight local 4-H'ers exhibited livestock at the Rio Arriba County Fair and realized over \$2289 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.
- Through preparing exhibits for the Los Alamos County and State Fairs, members learned crucial life skills including practical skills such as goal-setting, record-keeping and critical thinking, as well as personal and interpersonal skills such as leadership, teamwork, character, communication, self-esteem and responsibility.
- State Fair 4-H member volunteers learned organization, record keeping and teamwork skills.



4-H members prepare for competition



Los Alamos 4-H members & lambs

Traditional 4-H 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 agents dedicated time to teach life skills, Los Alamos Extension to our High Country Team 4-H Club
- Los Alamos 4-H members participated in four contests at the 2019 State 4-H Conference in Las Cruces.
- Los Alamos County 4-H members showed 3 lambs, 3 meat goats, 2 pigs, 5 chickens and 3 ducks at the Rio Arriba County Fair.
- Los Alamos County 4-H members entered 18 entries in the Los Alamos County and State Fairs including project posters, garments, leathercraft, baking, preserved foods, jewelry, woodworking and interior design.
- Three 4-H Members from Los Alamos volunteered to assist the State 4-H office with intake, set-up, judging and cataloging of 4-H projects from all throughout the state.



State 4-H Conference

The Impact: FY2020 1st Quarter

Los Alamos 4-H Shooting Sports members:

- Participants engaged in natural resources by exposing them to content through shooting, hunting and related activities.
- Enhanced development of self-concept, character and personal growth through safe, educational and socially acceptable involvement in shooting activity.
- Learned safe and responsible use of firearms and archery equipment including sound decision making, self-discipline and concentration.
- Engaged in the highest standards of sportsmanship and ethical behavior.
- Exposed participants to the broad array of vocational and lifelong avocational activities related to shooting sports.
- Strengthened their families through participation in ongoing recreational activity.



archery practice

4-H

Los Alamos 4-H Shooting Sports Program

The Issue

The focus of all 4-H programs is the development of youth as individuals and as responsible and productive citizens. The National 4-H Shooting Sports Program stands out as an example. Youth learn marksmanship, the safe and responsible use of firearms, the principles of hunting and archery, and much more. The activities of the program and the support of caring adult leaders provide young people with opportunities to develop life skills, self-worth, and conservation ethics.

In collaboration with the Los Alamos Sportsmen's Club, the 4-H shooting sports program provides a dynamic way to involve new members. The program takes place in a variety of settings and can be adapted easily to children of all economic levels. It's a program that can target a broad range of ages, maximize the potential to access hard-to-reach youth, and offer fast action fun, holding their interest for an extended period of time.

Los Alamos Extension Service Action

- Under the careful guidance of certified instructor 4-H shooting sports instructors, 4-H members practiced twice per month at the Los Alamos Sportsmen's Club in the disciplines of archery, long rifle and shotgun
- Team LA Young Guns members participated in the Northern New Mexico Youth Clay Target Challenge.



Northern NM Clay Target Challenge

The Impact: FY2020 1st Quarter

- 4 H's Healthy Living programs provided youth with a better understanding of how their choices can help themselves, their families, and their communities,
- helped youth build a firm foundation that encourages good decision-making and strong interpersonal skills,
- helped youth understand the importance of eating right, and being active within a safe environment,
- empowered youth to be teachers by growing their leadership skills and serving as champions of health in their communities.

4-H Healthy Living Initiative

The Issue

The purpose of the program is to impact youth and their families with hands-on learning and educational activities, to teach leadership skills to 4-H members and local students to prepare them to assist in educating fellow students in the community and elsewhere to make healthy food choices. Los Alamos County Healthy Living Ambassadors chose to provide information and presentations on the importance of eating breakfast and getting enough calcium for their bones.

Los Alamos Extension Service Action

- Assisted the FCS agent in presenting to the Just Be It! Healthy and Fit nutrition and fitness classes at Chamisa elementary school.
- Ambassadors presented a workshop on the healthy living.
- program along with a presentation on nutrition and the dangers of vaping at the annual 4-H State Conference [24]
- Set up a booth and other fun activities at the Los Alamos and Rio Arriba County Fairs.



Los Alamos 4-H Healthy Living Ambassadors engage youth in making smoothies at the Los Alamos County Fair

FY2020 1st Quarter Collaborations

Los Alamos County Parks & Rec, LA Master Gardeners Association, 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, Los Alamos Zero Waste Team New Mexico Dept. of Health, Los Alamos Community Health Council, Los Alamos Senior Citizen Advisory Council, Los Alamos Master Food Preservers, Los Alamos Arts Council, Rio Arriba County Fair Association, KRSN Radio, LA Cares food distribution program, Northern New Mexico Regional Arts Council, NMSU specialists, Rio Arriba County Extension, Santa Fe County Extension.

Cross-sectoral collaboration allows Extension agents and nonprofit professionals the opportunity to expand their impacts. Factors that contributed most significantly to the success of the collaborations are closely aligned goals, long-term age and scope, and informal adaptable partnering. Additional factors that supported successful collaborations included smart delegation, marketability and fun, and relationship building.

FY2020 1st Quarter Marketing

The Los Alamos Cooperative Extension Service utilizes a number of marketing strategies to promote its programs including a number of NMSU and local Facebook pages, Pinterest, Instagram, flyers distributed by LAVA, Los Alamos Monitor, Los Alamos Daily Post, Los Alamos Reporter, KRSN, a variety of brochures and email listservs.

FY2020 1st Quarter Other Information to Share

The Horticulture agent participated in the following professional improvement activities:

- Road to Summit: One Water Delegations in Action, Pt. 1, July, 2019.
- Road to Summit: One Water Delegations in Action, Pt. 2, August, 2019
- AWE/EPA Partnership-Efficient Irrigation Practices for Medians & Park Strips, September, 2019

The FCS agent participated in the following professional improvement activities:

- National Extension Family and Consumer Sciences Conference: Attended programs on aging, brain health, nutrition and fitness, family finance and food preservation programming, 2019
- NMSU webinar Promoting Physical Activity, July, 2019
- NMSU webinar Enjoying a Satisfying Plant-Based Diet, July, 2019
- NMSU webinar Making the Most of Family Meals, August, 2019
- NMSU webinar Developmental Disabilities, September, 2019
- NMSU webinar Brain Disorders and Brain Health, September, 2019

The FCS received the following professional awards:

- Family Health & Wellness Award, NEAFCS, State & National Award 1st Place