

NMSU Corona Range and Livestock Research Center

STRATEGIC PLAN 2020-2025

MISSION

The mission of the Corona Range and Livestock Research Center (CRLRC) is to enhance the understanding of woody brush invasion, hydrology, livestock production, wildlife management and discover innovative solutions to improve economic development in rangeland bound communities. CRLRC is a collaborative effort between animal, range, and wildlife scientists, economists, land and wildlife agency personnel, and ranchers.

STRATEGIC PRIORITIES

GOAL 1: Enhance Student Success and Social Mobility

Student success is facilitated by the accommodation of individual, entire class, or community interest in participation at the CRLRC through the development of experiential learning, graduate and undergraduate research, and opportunities.

Objective 1.1 Maintain and enhance the existing structure that supports student success.

Actions:

- Communicate to faculty the opportunity to utilize CRLRC to strengthen educational programs
- Develop opportunities for faculty to utilize CRLRC to fortify classroom activities
- Create a culture of inclusion of students desiring experiential learning experience to include them in current research/work activity

Objective 1.2 Increase recruitment and retention of undergraduate and graduate students in programs of the College of ACES.

Actions:

- Communicate to faculty the opportunity for graduate students to participate with other CRLRC scientists to increase experiential learning
- Increase opportunities for research faculty to include a CRLRC component for graduate student research portfolios
- Continue to accommodate all sustainable research project requests at CRLRC
- Cooperate with all sustainable extramural funding proposals including the CRLRC component
- Work towards completion of Southwest Center for Rangeland Sustainability to offer experiential learning experiences during the regular semester (ie. field trips) and summer programming for both graduate and undergraduate students.

Key Performance Indicators (KPIs)

	Year 1	Year 3	Year 5
Undergraduate Interaction	20 students	40 students	60 students
Undergraduate participation	2 students	4 students	6 students
Graduate Interaction	8 students	10 students	14 students
Graduate Projects	6 projects	8 projects	10 projects
Coop Grant Submissions	5 submissions	7 submissions	10 submissions

Leading Indicators

- On-campus presentations and/or guest lectures in class or lab
- On-site field trip, presentation and/or guest lectures for visiting class or labs
- Student participation in research projects or livestock workdays
- Number of active research projects utilizing CRLRC resources
- Number of cooperative submissions of grant proposals, utilizing CRLRC resources, personnel
- Progressing towards increasing individual rooms and bed count at SWCRS

GOAL 2. ELEVATE RESEARCH & CREATIVITY

CRLRC recognizes that diversity of research and creative activity lends itself to creating a strong foundation for teaching, learning, education, training, innovation, and economic development.

Objective 2.1 Conduct research, teaching, and Extension programs on emerging issues.

Actions:

- Inform research faculty about the resources available at CRLRC
- Communicate with stakeholders through the advisory committee, stakeholder meetings, outreach, etc. to gain insight into actual needs
- Facilitate interaction of research faculty with stakeholders that encourages communication and awareness of stakeholder needs
- Work towards completion of Southwest Center for Rangeland Sustainability
 - offer more opportunity for overnight accommodations for research faculty and students
 - provide lab space for critical sample preparation and storage
 - increase opportunities for outreach
- Engage in interdisciplinary research/teaching regarding renewable energy (wind and solar) on ranch lands

Objective 2.2: Address critical water use and conservation issues in New Mexico and beyond (national/international) using a science-based approach.

Actions:

- Broaden participation from scientists to develop critical water use and conservation studies and/or demonstration at CRLRC
- Encourage and participate in grant submissions for critical water use and conservation studies

Objective 2.3: Encourage and reward interdisciplinary and integrated relationships with other research efforts across the university and external partners, emphasizing both applied and fundamental methods for developing comprehensive solutions to relevant issues.

Actions:

- Seek participation from scientists to develop interdisciplinary and integrated relationships with other research efforts at CRLRC

- Encourage and participate in grant submissions for interdisciplinary and integrated relationships with other research efforts

Objective 2.4: Address critical environmental issues in New Mexico and beyond.

Actions:

- Encourage participation from scientists to develop studies concerning critical environmental issues at CRLRC
- Participate in grant submissions for critical environmental issues

Key Performance Indicators

	Year 1	Year 3	Year 5
Faculty Solicitation/Communications (# of)	5	10	15
Stakeholder Interaction (# of events)	10	15	20
Coop Grant Submissions	5 submissions	7 submissions	10 submissions

Leading Indicators

- Number of NMSU faculty who do not have a research presence at CRLRC contacted or non-NMSU research scientists who inquire to develop research at CRLRC
- Number of stakeholder events attended or hosted at CRLRC, especially with research faculty in attendance, as well
- Number of cooperative grant submissions supported through infrastructure or matching/in-kind support.
- Progressing towards increasing individual rooms, bed count, and laboratory space at SWCRS

GOAL 3. AMPLIFY EXTENSION AND OUTREACH

CRLRC outreach extends knowledge of NMSU faculty/staff and industry beyond the university and industrial complex, by providing opportunities for faculty, staff, industry leaders, and stakeholders to engage one another and facilitates a multi-dimensional educational process which allows all engaged to learn from one another, developing sustainable practices, research ideas, and thought processes to build research programs that are responsive to stakeholders

Objective 3.1 Develop innovative, multidisciplinary educational programming addressing issues relevant to New Mexico and expand the clientele base.

Actions:

- Develop and host outreach programming that provides education to and/or solves problems for stakeholders and the general community
- Utilize current Southwest Center for Rangeland Sustainability to host extension programming and university outreach in broad and relevant topics
- Work towards completion of Southwest Center for Rangeland Sustainability to offer more opportunities for multi-day extension programming and specialized training
- Participate in community/regional functions and boards to communicate and help solve problems or just lend a hand that utilizes special knowledge

Objective 3.2 Connect current research with the community.

Actions

- Develop and host outreach programming that extends or explains research findings to stakeholders and the general community
- Facilitate community/stakeholder events by participating in presentations
- Generally attend community events as NMSU employee in the forefront

Key Performance Indicators (KPIs)

	Year 1	Year 3	Year 5
Invited presentations	3	4	5
SWCRS hosted outreach events	12	18	24
Seed stock/Premium Livestock Sales (# hd)	30	35	40
Attendance of Stakeholder Event/Meeting	5	7	10
Attendance of Any Event/Meeting	10	12	15

Leading Indicators

- Number of invited presentations, including stakeholder meetings, K-12 classrooms, clinics, etc.
- Number of SWCRS hosted events in extension programming and university outreach
- Number of seed stock or premium livestock marketed for herd enhancement or livestock exhibition
- Number of Stakeholder events, meetings, tradeshows attended by CRLRC personnel
- Number of community, stakeholder, state or national events or tradeshows attended by CRLRC personnel

GOAL 4. BUILD A ROBUST UNIVERSITY SYSTEM

CRLRC seeks to improve the University System through the maintenance and development of facilities that enhance research and outreach activity.

Objective 4.1 Recruit undergraduate and graduate students and faculty globally and increase the recruitment from underrepresented groups.

Actions

- CRLRC will provide opportunities for faculty to develop novel innovative research that will provide preliminary data to support faculty seeking extramural funds
- Provide a venue to bring NMSU faculty and staff to interact with New Mexicans and help support the mission of meeting the needs of New Mexico

Objective 4.2: Expand a K–20 outreach program, inclusive of 4-H, focused on increasing participation and underrepresented groups to increase student awareness and participation in ACES programs and associated careers.

Actions:

- CRLRC will communicate opportunities, cooperate with youth development coordinators, and provide affordable venues for youth activities

Objective 4.3: Encourage interdisciplinary and integrated management approaches in planning and implementing programs, emphasizing both applied and fundamental methods for developing comprehensive solutions to important issues.

Actions:

- CRLRC will communicate a willingness to provide facilities and infrastructure to scientists for developing comprehensive solutions to important issues
- CRLRC will strive to fully build out SWCRS and increase staffing levels to maximize the facilitation of research interests and requests.

Objective 4.4: Elevate and promote the impacts and visibility of the AES and ASCs.

Actions:

- Provide service or product to stakeholders, therefore, completing a positive engagement
- Strategic use of gift account to support events through stakeholder event sponsorship and/or participation

Objective 4.5: Continue a targeted involvement in multistate, regional, and international programs.

Actions:

- CRLRC will continue to provide facility and infrastructure support for scientists and specialists for developing research ideas and educational programming
- SWCRS will continue to build towards providing a venue that positions NMSU as a leading facilitator in multistate, regional, and international programming and training.

Objective 4.6: Increase the level of support for ACES from the citizens of New Mexico; local, state, and federal governments and agencies; private corporations; foundations; and alumni.

Actions:

- CRLRC will continue to work closely with our advisory committee to elevate our recognition within NM
- CRLRC will continue to work with industry to develop support for research and outreach programming
- CRLRC employees will continue to strive to be active throughout the state and cultivate positive interactions with the citizens of NM

Objective 4.7: Encourage and cultivate staff excellence, and support staff training, development, and recognition.

Actions:

- Ensure that communication between CRLRC and campus faculty and staff is clear and effective, such that research objectives are met and challenges are addressed early and effective solutions to issues can be established
- CRLRC will encourage staff to be involved throughout the state and attend pertinent professional development activities

Key Performance Indicators

	Year 1	Year 3	Year 5
• Economic sustainability of CRLRC (financial reserves)	50%	80%	100%
• Hosted meetings between CRLRC and on-campus Faculty and Staff	1	2	3
• Support of novel innovative projects	1	2	3
• Increased staffing levels at CRLRC/SWCRS	0	2	5
• Personal development seminar attendance for staff	1	2	3

Leading Indicators

- CRLRC is fiscally self-sustaining with contingency monies
- Increased collaborative research that has been fostered by open communication
- Novel research projects supported have resulted in federally funded grant proposals
- Staffing increases in janitorial, research technicians, etc.
- CRLRC staff have attended personal development programs that have enhanced the mission of CRLRC