2019 LEGISLATIVE PRIORITIES

CUP Priorities

1. 8% New I&G Funding (Recurring)
2. 5% Compensation (Recurring)
3. Employer Contribution to ERB if required (Recurring)
4. Endowment Funding
5. $50 million Deferred Maintenance (Non-recurring)
6. ER&R - Cyber Security, Internet Access & Shared Services

NMSU FY20 Non I&G Project Requests

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Capital Outlay Requests

NMSU-Las Cruces
- Repair Tunnel A Sections $3,000,000
- Selective Demolition $1,600,000
- Ag Science Centers $4,000,000
- Information Technology Infrastructure Upgrades $4,721,000
- Athletics $2,305,000

NMSU-Alamogordo
- Improvements to campus drainage system, including lighting $425,000
- Mechanical Ductwork and Boiler Feed Lines Classroom Bldg. $450,000

NMSU-Carlsbad
- New Roof for Computer Bldg. & Associated Equipment $750,000
- Site, Parking & Infrastructure Improvements $500,000

NMSU-DACC
- Infrastructure Upgrades and Replacement $1,500,000
- Information Technology Infrastructure Upgrades $450,000

NMSU-Grants
- Fidel Hall Renovations $1,000,000

New Mexico Department of Agriculture (State Agency – Statewide Priority)
- Building Replacement $14,000,000

https://govrelations.nmsu.edu/
New Mexico State University
2019 Legislative Initiatives

BE BOLD. Shape the Future.
New Mexico State University
https://govrelations.nmsu.edu/
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Mission

The New Mexico State University System is the state’s land-grant university, serving the educational needs of New Mexico’s diverse population through comprehensive programs of education, research, extension education, and public service.

Purpose

Aligned with careers of the future, NMSU provides a vibrant learning environment supported by research converging on global challenges, while enriching the lives of diverse communities through a culture of service.

Strategic Priorities

Improve Student Success

Elevate Research and Creativity

Amplify Outreach and Economic Development

Strategic Initiatives/Global Grand Challenges

Transform the Education Pipeline

Develop Critical Infrastructure

Create Healthy Borders
NMSU Highlights

• Freshmen enrollment increased by more than 10% for fall 2018. This follows an 11% increase for fall 2017.

• NMSU’s four-year graduation rate has increased each of the past five years, going from 13.4% to now 26.4%.

• Additionally, our five-year and six-year graduation rates have increased each of the past four years and now stand at 41.7% and 46.7%, respectively.

• NMSU is an increasingly diverse university. Today, more than 54% of our students are Hispanic and nearly 55% are female.

• The Brookings Institution has recognized NMSU as a leader in equal access to higher education. According to their report, NMSU received the second-highest score in the nation as a public university for the relative success of our graduates.
NMSU Capital Outlay
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Prepared by Office of Government Relations - November 26, 2018
NMSU – Las Cruces
NMSU – Las Cruces - Repair Tunnel A Sections

2019 Request: $3,000,000
NMSU-Las Cruces Priority: 1

2016 Facilities Condition Index: N/A

NMSU is requesting $3,000,000 to plan, design, construct, renovate, and equip infrastructure repairs and replacement for the utility tunnel system at New Mexico State University- Las Cruces.

Based on a Structural Integrity Study of the utility tunnel system dated October 2013, and 2016 inspections update, this project will remove and replace additional sections of the deteriorated utility tunnel system that are in imminent danger of collapse. Deficiencies discovered during a water line rehabilitate project prompted a full investigation of the structural integrity of the entire tunnel system.

The responsive action prompted the university to develop a strategic plan to repair and replace the most critical sections of the tunnel; implement enhancements to the tunnel design to prolong life of repaired sections; and implement measures to delay continued deterioration of the tunnel system.

The entire tunnel system is approximately 15,000 linear feet of tunnel. The initial date of construction is unknown. The utility tunnel system conveys steam, chilled water, domestic water, gas and electricity. Structural integrity inspections were made in 2013 and 2016. Scheduled repairs began in 2015.

The structural integrity study categorizes the sections, Category A is the highest priority of sections of tunnels that are in danger of imminent failure or are severely deteriorated. Category B is high priority section of the tunnel that are compromised and require prompt repairs before increased deterioration occurs. Category C is medium priority areas that should be monitored and repair is recommended within three to five years. Category D is low priority condition is isolated and not likely to spread or affect the structural integrity of the tunnel.

Average repair cost is $2,225 per linear foot. Initially, Category A includes approximately 1,420 linear feet of category A level deficiencies with an estimated cost of $3,159,500. Category B areas not repaired, continue to shift into the highest priority level A areas.

Language for appropriation: To plan, design, construct, renovate, and equip infrastructure repairs and replacement for the utility tunnel system at New Mexico State University- Las Cruces.
New Mexico State University
2019 Capital Outlay Request

Existing Conditions – Utility Tunnels

Campus-wide Utility Tunnel Site Plan
NMSU – Las Cruces - Selective Demolition

2019 Request: $1,600,000 (for planning & design)
NMSU-Las Cruces Priority: 2

2016 Facilities Condition Index: 133.61 (Regents Row)

NMSU is requesting $1,600,000 to plan, abate and demolish selective demolition at New Mexico State University- Las Cruces.

Abate and demolish the building listed on the Demolition list of buildings. Current top priority is Regents Row after relocating existing office occupants at the end of the spring semester 2017. The existing building includes a total of 73,260 sq. ft. on two floors and housed much of the swing office space on campus. The maintenance cost for this deteriorating building was $675,000, in 2016. Removing this building from the campus inventory will lower repair costs.

This project will remove an aging and deteriorating office facility, and reduce maintenance costs in the building with the highest Facilities Condition Index (133.61%) on the main campus at NMSU. The FCI is an indicator of the overall condition of a building; calculated by dividing the maintenance, repair and replacement deficiencies of the facility by the current replacement value of the facility.

Since as early as 2006 the Master Plan calls for the demolition of Regents Row and the building’s replacement with a new facility. The project is seen as a crucial addressing of both the needs of staff/faculty as well as the needs of a deteriorating facility much in need of removal.

This project will focus on the improvement of campus facilities, removing a costly building from the center part of campus to allow for a new facility, which is expected to improve recruitment and retention of students and faculty.

Language for appropriation: To plan, abate and demolish selective demolition at New Mexico State University- Las Cruces.
New Mexico State University
2019 Capital Outlay Request

Recommended Demolition Plan

Regents Row Floor Plan
Ag Science Center Improvements

2019 Request:  $ 4,000,000
NMSU-Las Cruces Priority:  3

2016 Facilities Condition Index:  varies

NMSU is requesting $4,000,000 to plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for Agriculture Science Centers statewide, including re-roof of buildings and site improvements at the New Mexico State University system.

Based on the Agriculture Science Center Assessment dated April 23-26, 2012, this project will repair, replace, construct and renovate agricultural facilities at the Agriculture Science Centers (ASC) statewide.

Recommended for major concerns by ASC location include:
- Alcalde Agriculture Science Center - A few of the needs that were identified include new plaster, roof, code compliant railings, doors/windows, HVAC upgrades, adobe and drainage at the old historic office building.
- Clayton Livestock Research Center - Items to be addressed included, but not limited to upgrading the feed mill and painting; bathroom renovation and window replacement for Residence 339B; and exterior stucco repairs to office and residence.
- Agricultural Science Center at Clovis - The major concerns are both wells, electrical in office, greenhouse and expansion for the shop facility.
- Mora Research Center - This facility requires a new roof for the office/shop building and for the residences, separate septic tanks for buildings; and repairs/replacement to critical equipment.
- Agricultural Science Center at Tucumcari - This center has exterior skin concerns for the 100 year old adobe building walls that are crumbling; stucco/plaster at several buildings; need for new windows; paint to protect and repair the existing rafters/eaves, and electrical deficiencies at the office and residence building.

The Agriculture Science Centers Assessment statewide is critical to the functioning of the facilities. The infrastructure needs support the land grant mission, as the ASC focus is on research and outreach throughout New Mexico. If exterior repairs, building systems and site remediation are not addressed, to the agriculture science centers will not be habitable, and cease to exist for the people of New Mexico. The NMSU system is the state’s land-grant university, serving educational needs of New Mexico's diverse population through comprehensive programs of education, research, extension education, and public service. Without the ASC repairs, extension research, and education will be greatly hindered.

Language for appropriation: To plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for Agriculture Science Centers statewide, including re-roof of buildings and site improvements at New Mexico State University - Las Cruces system.
New Mexico State University
2019 Capital Outlay Request

NMSU Ag Experiment Stations Statewide

Artesia ASC- Existing Conditions

Alcalde ASC- Existing Conditions

Clayton ASC- Existing Conditions

Mora Research Ctr.- Existing Conditions

Tucumcari ASC- Existing Conditions
NMSU – Las Cruces - Information Technology Infrastructure Upgrades

2019 Request: $4,721,000
NMSU-Las Cruces Priority: 4

2016 Facilities Condition Index: N/A

NMSU is requesting $4,721,000 to plan, design, construct, renovate, and equip information technologies infrastructure upgrades and replacement at New Mexico State University- Las Cruces.

The project will include upgrades and replacement of data centers, computer systems and equipment, campus infrastructure and classroom technology. Improvements to the information technology system campus-wide to replace outdated or deficient systems and create technology for today’s learning environment. Potential upgrades include replacement of central routing and wireless equipment, intra-building and long-distance fiber routing, replacement of building switches, network distributions and access points, classroom technology improvements, backup and security systems, phone system improvements, and a secondary data center and hardware.

Today's students are increasingly connected to the world and to learning through technology. Keeping up with the technological infrastructure will help to keep students in school and focused on graduation, and will prepare them for their future working environments.

Students are using technology as a tool, as well as communicating with others. Information technology is used to support student learning, transmit information to and from faculty, and informs decisions. Improvements will be to the information technology system campus-wide to replace outdated or deficient systems and create technology for today's learning environment.

Language for appropriation: To plan, design, construct, renovate, and equip information technologies infrastructure upgrades and replacement at New Mexico State University- Las Cruces.
NMSU Athletics Capital Outlay Requests

2019 Request: $2,305,000
NMSU Athletics Priority: 1-8

2016 Facilities Condition Index: varies

NMSU is requesting $2,305,000 to plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for Athletic facilities at New Mexico State University- Las Cruces campus.

1. **Track & Field Facility Upgrades** $600,000
   Build up facility to division 1 standard in order to host home competitions for program.

2. **Soccer Stadium Lighting** $450,000
   Provide ability to play night games or host tournaments in the stadium.

3. **Soccer Stadium Press Box** $150,000
   The current press box structure is a temporary set. The new press box would be able to be utilized by soccer and softball.

4. **Pan American Center- ADA Improvements** $85,000
   Provide recommended ADA improvements for the basketball and volleyball arena. This is the first step required to begin a Phase I renovation for the entire Pan Am Center, including luxury areas to generate revenue and increase attendance to games and special events.

5. **Football Coaches Office Building Patio** $40,000
   Add an exterior patio space to the northwest side of the existing Football Coaches Office building, focused on recruiting. Renovation to include wall screening, paint, exterior hardscape flooring, entry door, fan and furnishings.

6. **Hall of Legends Lobby Upgrade** $30,000
   Update Hall of Legends graphics and furniture. This areas is used as an athlete’s lounge and for recruiting center.

7. **Memorial Stadium Press Box Roof** $250,000
   Replace the roof on the Stadium Press Box.

8. **Weight Training Facility Roof Repairs** $700,000
   Repair and replace the existing roof, and associated equipment for the Coca Cola Weight Training Facility

**Language for appropriation:** To plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for Athletics facilities, including re-roof of buildings and site improvements at New Mexico State University- Las Cruces campus.
NMSU – Alamogordo
## NMSU-Alamogordo - Site Improvements and Lighting

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</table>

NMSU-A is requesting $425,000 to plan, design, construct, renovate, furnish, install infrastructure and site improvements campus-wide at New Mexico State University- Alamogordo.

The scope of the work for this project is to plan, design, construct, renovate, furnish and equip improvements to the site and infrastructure campus-wide. Site improvements to include repairs/replacement of the parking lot; upgrades to the exterior parking lot lighting; and the design and installation of a drainage system. The drainage system should include but not limited to a runoff diversion plan, curb and gutter, curb ramps, sub-surface drainage pipes, handrails, drainage channels, and sidewalk improvements.

The site area improvements will correct drainage patterns on the campus to divert water away from buildings. In order to protect the building foundation, and provide safe travel around campus, the proposed site upgrades will protect and enhance the facility.

If the campus-wide site improvement project, including drainage system and lighting, was not supported for Alamogordo, further deterioration of the asset would occur, weakening the integrity of the foundations and exterior skin of the structures.

**Language for appropriation:**
To plan, design, construct, renovate, furnish, install infrastructure and site improvements campus-wide at New Mexico State University- Alamogordo.
Existing Conditions – Parking Lot and Lighting Security
New Mexico State University
2019 Capital Outlay Request

NMSU-Alamogordo- Mechanical Ductwork and Boiler Feed Lines
Classroom Building

2019 Request: $ 450,000
NMSU-Alamogordo Priority: 2

2016 Facilities Condition Index: N/A

NMSU-A is requesting $450,000 to plan, design, construct, renovate, furnish and equip improvements to the Classroom Building at New Mexico State University- Alamogordo.

The mechanical ductwork and boiler feeds to the Classroom Building project is an upgrade to a building mechanical components. The project will remove old boilers pipes and associated ductwork, replace the existing deteriorated copper lines, reconfigure existing ductwork to address interior building modifications to provide adequate airflow to all spaces, and repair/replace the existing system with new energy efficient boilers, as budget allows. The building is the primary building for general classrooms, serving all students.

Mechanical upgrades and replacement for the Classroom Building will include:
- Mechanical ductwork and components ($300,000)
- Required interior demolition and renovation ($120,000)
- Interior classroom improvements ($30,000)

The new energy efficient boiler infrastructure will improve air circulation and distribution throughout the building. If this project does not receive funding, the heating and cooling system will continue to worsen until the infrastructure could no longer support the mechanical equipment. The reliability of the mechanical components is critical to a fully operating HVAC system and facility safety.

Reliable mechanical systems depend on the necessary infrastructure. This project provides an upgrade that improves the comfort, health and safety of the occupants, by replacing key components of the system for an equal distribution of heating and cooling throughout the facility.

The goals of the upgrades to the campus boiler system will be increased energy efficiency; a possible reduction in the cost of operating the building; and improved comfort to all occupants. Installation or repairs of a new energy efficient boiler system, as budget allows. Renovation work will be done following Green Screen standards, with goals of achieving additional energy cost savings.

Language for appropriation: To plan, design, construct, renovate, furnish and equip improvements to the Classroom Building at the New Mexico State University- Alamogordo.
Existing Conditions – Boiler Feed Lines in Classroom Building
NMSU – Carlsbad
NMSU-Carlsbad- New Roof on Computer Building and Associated Equipment

2019 Request: $750,000
NMSU-Carlsbad Priority: 1

2016 Facilities Condition Index: N/A

NMSU-C is requesting $750,000 to plan, design, construct, renovate, and equip the re-roof of buildings campus-wide at New Mexico State University- Carlsbad.

The scope of the work for this project is the removal and replacement of the existing roof for the Computer Sciences Building (293C). The existing building is 14,803 square feet on one floor and functions as the computer classroom/lab facility at the Carlsbad campus.

The Computer Sciences Building listed for renovation and replacement has a roof system that has failed. The current and potential persistent leaks that have developed to the point of threatening major damage to the facility. In order to protect the building infrastructure, interior spaces and equipment, the roof requires immediate renovation. If the campus-wide roofing project was not approved for Carlsbad, further deterioration of the asset would occur, weakening the integrity of the structure.

Re-roofing will stop frequent leaks, which can possibly lead to mold conditions and contribute to the overall deterioration of the existing facility. Continued deterioration will result in a need to replace with a new building, at a greater cost than the renovation of the existing facility.

Language for appropriation: To plan, design, construct, renovate, and equip the re-roof of buildings campus-wide at New Mexico State University- Carlsbad.
Existing Conditions – Computer Building Roof and Associated Equipment
New Mexico State University
2019 Capital Outlay Request

NMSU-Carlsbad- Site, Parking and Infrastructure Improvements

2019 Request: $500,000
NMSU-Carlsbad Priority: 2

2016 Facilities Condition Index: N/A

NMSU-C is requesting $500,000 to plan, design, construct, renovate, furnish, install infrastructure and site improvements campus-wide at New Mexico State University- Carlsbad.

The scope of the work for this project is to plan, design, construct, renovate, furnish and equip improvements to the site and infrastructure campus-wide. Site improvements to include repairs/replacement of the parking lot; upgrades to the exterior parking lot lighting; and the design and installation of a drainage system. The drainage system should include but not limited to a runoff diversion plan, curb and gutter, curb ramps, sub-surface drainage pipes, handrails, drainage channels, and sidewalk improvements.

The site area improvements will correct drainage patterns on the campus to divert water away from buildings. In order to protect the building foundation, and provide safe travel around campus, the proposed site upgrades will protect and enhance the facility.

If the campus-wide site improvement project, including drainage system and lighting, was not supported for Carlsbad, further deterioration of the asset would occur, weakening the integrity of the foundations and exterior skin of the structures.

Site safety will be include ADA access, drainage / erosion control and road infrastructure improvements.

Language for appropriation: To plan, design, construct, renovate, furnish, install infrastructure and site improvements campus-wide at New Mexico State University- Carlsbad.
NMSU-Dona Ana- Infrastructure Upgrades and Replacement

2019 Request: $1,500,000
NMSU-Dona Ana Priority: 1

2016 Facilities Condition Index: N/A

NMSU-DACC is requesting $1,500,000 to plan, design, construct, renovate, and equip campus infrastructure upgrades, roof replacement, and site improvements at New Mexico State University-Donna Ana Community College.

Infrastructure upgrades and replacement will include:
- Workforce Center Roof ($600,000)
- Workforce Center Parking Lot drainage and code issues ($800,000)
- East Campus programmable locks ($100,000)

The Workforce Center facility is 33,776 GSF. The last improvement for the Workforce Center was in 2007. The Workforce Development Center houses offices, work rooms, computer classrooms, technical studies, a computer lab, machining lab, automation lab, construction trades labs and a workforce lab. The Workforce Development and Career Readiness (WDRC) training is offered in Health & Public Services; Computer & Technology; Business & Professional Development; Trade & Industry; and Language Courses. The WDRC provides non-credit training programs, professional skill development and career education opportunities. The Workforce Center is listed as I&G Space.

Good stewardship of the institution's resources is noticed by current and prospective students and is expected to contribute to recruitment and retention efforts in a positive way. Good facilities in good condition are expected in a state institution of higher learning.

The Workforce Center building listed for renovation and replacement has a roof system that has failed. The DACC Workforce Center roof was installed in 2003 (15+ years old) and the warranty has expired. The leaks developed 3-4 years ago. The current and potential persistent leaks have developed to the point of threatening major damage to the facility. In order to protect the building infrastructure, interior spaces and equipment, the roof requires immediate renovation. If the campus-wide roofing project was not approved for DACC, further deterioration of the asset would occur, weakening the integrity of the structure.

As roofing problems develop or worsen, emergency roof areas will be protected. Roofing projects are particularly important to protecting the building asset. Roof leaks lead to structural damage and can harm products/materials inside the facility. Some damage is visible, but others are costly repairs. Minimal preventative maintenance will prolong the roof protection when possible prior to funds becoming available to provide a new roof for the building.
This project also includes site and parking lot improvements for the Workforce Center Parking Lot for drainage and code issues.

This project will provide improvements to the parking, roads and campus site. The campus site conditions have not been updated in many years; this project will correct deteriorating roads and parking. Sidewalk renovations will enhance the accessibility and safety, and will be ADA compliant.

If the project was not approved, accessibility and safety concerns would not be addressed, increasing the possibility of accidents. The image of the campus and wellbeing of students, faculty and staff would be harmed without these upgrades.

Programmable locks for the DACC East Mesa campus provide electronic access control solutions for computer managed locking systems, which protects students, faculty, and staff. The programmable locks are designed to save time and money, and provide security.

The purpose of this project is to replace aging infrastructure systems that could potentially pose safety problems if allowed to continue to deteriorate and create larger unexpected damage.

Re-roofing will stop frequent leaks, which can possibly lead to mold conditions and contribute to the overall deterioration of the existing facilities. Continued deterioration will result in a need to replace with a new building, at a greater cost than the renovation of existing structures.

The existing parking lot and roadway system will improve accessibility, access and vehicular movement at the campus.

Programmable locks introduce an electronic system that increases the level of security on campus, and makes it difficult for break-ins to gain entry.

**Language for appropriation:** To plan, design, construct, renovate, and equip campus infrastructure upgrades, roof replacement, and site improvements at New Mexico State University- Dona Ana Community College.
NMSU-Dona Ana- Information Technology Infrastructure Upgrades

2019 Request: $ 450,000  
NMSU-Dona Ana Priority: 2

2016 Facilities Condition Index: N/A

NMSU-DACC is requesting $450,000 to plan, design, construct, renovate, and equip information technologies infrastructure upgrades and replacement at New Mexico State University- Dona Ana Community College.

Information Technology Infrastructure upgrades will include:
- Wireless upgrades and server/router replacements at East Mesa and Espina Campuses ($200,000)
- Wireless infrastructure and access points in various Classrooms in East Mesa Main, Academic Resources, Student Resources Building and Espina Campus Health Building (IPAD Initiative Plan) ($250,000)
- Gadsden Center cabling upgrade to current standards ($25,000)

Upgrades and replacement of data centers, computer systems and equipment, campus infrastructure and classroom technology. Improvements to the information technology system campus-wide will replace outdated or deficient systems and create technology for today's learning environment. Potential improvements include replacement of central routing and wireless equipment, intra-building and long-distance fiber routing, replacement of building switches, network distributions and access points, classroom technology improvements, backup and security systems, phone system improvements, and a secondary data center and hardware.

More specifically, the project will include Wireless infrastructure and access points in various Classrooms in East Mesa Main, Academic Resources and Student Resources Buildings and Espina Campus Health Building, IPAD Initiative Plan; Gadsden Center cabling upgrade to current standards; and Network upgrades and server/router replacements at East Mesa and Espina Campuses.

The Gadsden center offers freshman- and sophomore-level coursework in vocational, technical, developmental, and general education. A number of DACC certificates and associate degrees are offered, as well. The centers also provide concurrent enrollment (dual credit) programming for the Gadsden School District. ESL, GED, and citizenship classes for the border area are available through the Adult Education program, also housed at the centers. This location also provides a Student Success Center (student tutoring), computer labs, and library support services.

The East Mesa Campus is home to the following associate degree and certificate programs: the Associate of Arts Degree program, Business Management, Business Office Technology, Computer and Information Technology, Creative Media Technology, Criminal Justice, Culinary Arts, Drafting and Design Technologies, Early Childhood Education, Education, Emergency Medical Services, Fire Investigations, Fire Science, Health Information Technology, Hospitality and Tourism, Hospitality Services Management, Law Enforcement, Library Science, Paralegal Studies, Pre-Business, and Public Health.
Situated adjacent to New Mexico State University, the Espina Campus is home to the following associate degree and certificate programs: Automotive Technology; Associate of Science Degree program; Dental Assistant; Dental Hygiene; Diagnostic Medical Sonography; Electrical Programs; Electronics Technology; General Engineering; Health Care Assistant; Heating, Ventilation, Air Conditioning and Refrigeration; Radiologic Technology; Respiratory Therapy; Water Technology; and Welding Technology.

Gadsden Education Center, 870 head count.
East Mesa Campus, 3,290 head count.
Espina Campus (Las Cruces), 3,442 head count.

Today's students are increasingly connected to the world and to learning through technology. Keeping up with the technological infrastructure will help to keep students in school and focused on graduation, and will prepare them for their future working environments.

The NMSU DACC facilities master plan was adopted in 2014 and includes individual plans at each of DACC’s centers, and serves as the guide for subsequent capital improvement projects. Capital needs are evaluated based on programs, existing facilities, and expected enrollment in order to provide the resources to make the plan a reality. The identified needs are then proposed and follow the NMSU capital project process.

Language for appropriation: To plan, design, construct, renovate, and equip information technologies infrastructure upgrades and replacement at New Mexico State University- Dona Ana Community College.
NMSU – Grants
NMSU-Grants- Fidel Hall Renovations

2019 Request: $ 1,000,000
NMSU-Grants Priority: 1
2016 Facilities Condition Index: N/A

NMSU-G is requesting $1,000,000 to plan, design, construct, renovate, and equip upgrades to Fidel Hall at New Mexico State University- Grants.

Fidel Hall Renovations include the basketball court restoration and refinish; move water heaters and plumbing to the first floor, renovate restrooms and locker rooms; and replace second floor lighting and ductwork. The Joseph Fidel Gymnasium building (315M) is 16,178 square feet on one floor and functions as the gymnasium facility at the Grants campus. The last improvement to Fidel Hall was in 2008. The building houses classrooms, an auditorium/gymnasium, restrooms/locker rooms, and offices. Instructional programs include wellness, and physical training offered to the entire enrollment.

Fidel Hall is the primary recreation building on the campus. Programs in this building are general physical education and/or serve all enrolled students. Fidel Hall houses a classroom space, offices, dressing rooms, restrooms and student recreation room, among other functions.

Good stewardship of the institution's resources is noticed by current and prospective students and is expected to contribute to recruitment and retention efforts in a positive way. Good facilities in good condition are expected in a state institution of higher learning.

The institution’s 5 year plan for state funding continues from year to year. As projects are funded, the priority item is removed from the list, and the other items move up on the priority list. The FY 18 funding items were not funded for STB projects, as a result the same projects are identified on this year’s five year plan and priorities.

NMSU Grants Fidel Hall is one of two buildings that were original to the 1960 era Job Corp Campus from which NMSU Grants was created. Fidel Hall is a gymnasium and is utilized as an academic facility, such as by Correctional Officer Training Academies (a workforce program for Officers which we collaborate with Community Corrections of America). The gym floor is where the students/cadets receive their physical training. The bathrooms/showers/locker rooms in Fidel Hall, have never been updated from the 1960s era and are badly in need of renovation. Grants water is heavy with minerals and over the years that water has severely damaged the piping in the showers. Lockers are required for students to store their gear and the lockers are original to the 1960 era facility. Both women and men utilize the showers after their physical training in the gym and on many of the physical outdoor training activities required as part of their overall program. Training programs helps to generate enrollment for the Grants campus.

Language for appropriation: To plan, design, construct, renovate, and equip upgrades to the Fidel Hall at New Mexico State University- Grants.
New Mexico State University
2019 Capital Outlay Request

Existing Conditions – Fidel Hall Restrooms and Locker Rooms

Existing Conditions – Fidel Hall Basketball Court
NMSU – NMDA
New Mexico Department of Agriculture

2019 Request: $14,000,000
NMDA State Agency Priority: 1

2016 Facilities Condition Index: 47.15%

NMSU is requesting $14,000,000 to plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for the Department of Agriculture facility at New Mexico State University- Las Cruces campus.

Based on the New Mexico Department of Agriculture Space Needs Assessment and Estimate of Probable Cost, this request recommends renovation and new construction. The existing NMDA building should be renovated for the administration, IT, Marketing Development, APR, office support, and building support. The existing building has a better infrastructure system to renovate to support administrative/office functions rather than the laboratory functions. A new addition should be constructed for the laboratory divisions, AES and SCS.

The laboratory functions (AES and SCS) should be separated from the administrative functions of the other divisions. In the case of a severe emergency condition generated from the laboratory functions, the adjacent spaces to the labs could be rendered inoperative and not habitable. Therefore, a remote location for the laboratories and the safety of both operations is preferable.

The AES and SCS laboratories should be located close to the existing facility. The administrative functions of the AES and the SCS divisions should not be physically adjacent to the laboratory functions. These functions could be housed in their own structure or integrated into the existing renovated facility.

The existing facility does not meet the spatial or technical requirements of the various divisions and administrative spaces. The adjacencies to other divisions do not promote an efficient working relationship. The current building is approximately 28,000 square feet. This study has identified that the current and future needs are 55,923 square feet. There is projected growth with the Federal Food Safety Modernization Act (FSMA) to be put on the individual states for implementation. This has substantially increased the growth of the Agriculture and Environmental Services (AES) and the Marketing Development (MD) Divisions.

The laboratory requirements and safety were identified as the highest priority. The current laboratories are fit into spaces which are undersized. The laboratories are not supplied with the current standards for heating, air conditioning, ventilation, or power requirements. The petroleum laboratory, which does various fuel tests, is located adjacent to offices without the proper fire separation walls. The building is not protected with a fire sprinkler system.
In addition to not meeting the square footage requirements, the building infrastructure (roof, electric, mechanical systems, plumbing systems, and fire alarm) are in need of repair, major upgrades, or replacement. A fire sprinkler system should also be installed in the facility.

NMDA’s Las Cruces office houses approximately 78 employees in 7 divisions and 4 labs. NMDA oversees the administration of multiple statutes, regulations, and programs that protect the consumer, enhance food safety, and provide unique and creative marketing programs to assist New Mexico’s producers and processors.

**Space**
- Current building space is approximately 28,000 SF
- Space needs assessment indicates current and future needs at 55,923 SF

**Life Safety**
- Removal of laboratories from main building, current proximity of labs to employees presents an immediate life safety concern. (Labs work with petroleum products, fertilizer products, and pesticides.)
- HVAC system to accommodate equipment needs and associated electrical requirements for lab equipment, code compliance and for accreditation
- Flooring updates to meet health standards
- Installation of fire separation walls and a fire sprinkler system
- Adequate laboratory space requires renovation of space to accommodate laboratory accreditation and construction of storage area

**Main Building needs include:**
- Roof renovation, ceilings show signs of major leaks
- Structural repair of cracks in load bearing walls, caused by foundation settlement
- Removal of large water storage tanks previously used for a solar panel system which are inactive
- Storage standards to meet environmental requirements
- Increased secure parking for specialty equipment, inspection vehicles, and equipment

**New Building/Renovation**
- New building to meet spatial, technical, and safety requirements
- Additional square footage for one lab and office support
- Repurpose north portion of existing building and 2011 lab building with use of west addition for intended use as a lab
- Separation of petroleum and chemistry labs to address life safety concerns

**Language for appropriation:** To plan, design, construct, renovate, furnish and equip renovations, additions, demolition and new construction for New Mexico Department of Agriculture, including re-roof of buildings and site improvements at New Mexico State University- Las Cruces system.
New Mexico State University
2019 Capital Outlay Request

NMDA Existing Conditions- Cracks in wall

NMDA Existing Conditions- Foundation
Non-Instruction & General Project Requests
**NEW MEXICO STATE UNIVERSITY**  
**FY20 Non I&G and Research & Public Service Projects (RPSP) Expansion Requests**

<table>
<thead>
<tr>
<th>PROJECT/DESCRIPTION</th>
<th>FY 2019 Funding</th>
<th>FY 2020 Request</th>
<th>$ Change</th>
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<tbody>
<tr>
<td><strong>AGRICULTURAL PROGRAMS</strong></td>
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<td>New Mexico Department of Agriculture (NMDA): NMDA is a constitutional agency organized under the Board of Regents of New Mexico State University (NMSU). NMDA and NMSU have a unique relationship that allows programs to be developed and administered to serve the needs of the agriculture industry in New Mexico. NMDA promotes food protection, a uniform and fair market place, and global marketing and economic development; supports beneficial use of natural resources; and works cooperatively with public and private sector entities. NMDA is a producer-consumer service and regulatory department and is responsible for enforcement of a multitude of statutes ranging from petroleum inspections, organic certification, pesticide licensing and compliance as well as dairy inspections. NMDA is requesting an increase of $700,000: 1) $150,000 for the Veterinary Diagnostic Services division for an additional Veterinary Pathologist; 2) $150,000 for domestic and international marketing of NM agricultural products; 3) $150,000 for the Standards and Consumer Services division to enhance consumer protection services 4) $50,000 for a full-time information technology employee to assist in addressing the increasing demands for mobile IT and computing connectivity requirements and 5) $200,000 to carry out the provisions of the Chile Advertising Act ($200,000 in non-recurring funds provided in FY19).</td>
<td>$11,331,600</td>
<td>$12,031,600</td>
<td>$700,000</td>
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<td>Agricultural Experimental Station: The Agricultural Experiment Station System (AES) is the research arm of the College of Agricultural, Consumer and Environmental Sciences at New Mexico State University. The AES is a Statutory program in NM Constitution Article XII, Section 11: State educational institutions, and was defined and created by the federal Hatch Act (1887) to research problems and find solutions to improve the lives and livelihoods of NM citizens. The AES System is made up of scientists on the main campus and at 12 agricultural science centers and research centers throughout New Mexico. The off-campus centers support fundamental and applied research under New Mexico's varied environmental conditions to meet the agricultural and natural resource management needs of communities across the state. AES is requesting an increase of $449,000 in operational funds to maintain facilities. Current funding does not meet the needs to address the current and future maintenance needs. AES estimates that $12 million is needed to address issues identified in a 2012 facilities assessment study conducted on 6 centers by the Office of Facilities and Services. The remaining centers also have similar needs of maintenance and repair. A separate capital outlay request was approved by the board to address critical infrastructure needs.</td>
<td>$13,865,900</td>
<td>$14,314,900</td>
<td>$449,000</td>
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<td><strong>RESEARCH AND PUBLIC SERVICE PROJECTS - MAIN CAMPUS</strong></td>
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<td>STEM Professional Development (Non Recurring Funding Request): NMSU proposes to lead a network of higher education institutions and partners that will develop and deliver effective and relevant professional learning programs for K-12 teachers statewide. Participating teachers will be able to incorporate active learning strategies in the classroom, use models of effective practice, have access to mentoring and industry externships, and gain competency and confidence in teaching new and emerging curriculum. The proposed professional learning for teachers initiative addresses a statewide need for quality professional learning for K-12 teachers, specifically as the state moves towards adoption of the Next Generation Science Standards and NM STEM Ready Science Standards. There is currently no formal, coordinated professional learning network where NM teachers can access quality programs. Feedback from teachers and educational administrators suggests that the professional learning opportunities that do exist are insufficient and/or often times lack quality and relevance to classroom needs. Additionally, high turnover within the teaching profession suggests urgent attention for a support system that will complement the state's need to recruit and retain teaching professionals, as evidenced by over 1,170 educator current vacancies statewide, many of which are being filled by extended substitute teachers. The proposed learning programs will be delivered onsite, online, and in collaboration with school districts and, where applicable, industry professionals.</td>
<td>0</td>
<td>$2,000,000</td>
<td>$2,000,000</td>
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<td>PROJECT/DESCRIPTION</td>
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<td><strong>Sunspot Solar Observatory - Funded as non recurring for FY19:</strong> NMSU is leading an international effort to retain the operations of the visitor center and Dunn Solar Telescope at Sunspot in Otero County. The facilities at Sunspot were slated for closure in 2018 by the National Science Foundation (NSF) that would have eliminated high-paying jobs in Otero County, as well as scientific research of critical national importance. The NSF has proposed to keep the site open as long as a consortium of universities and research institutes retains operations of the telescope and the visitor center. The news of the non recurring funding for FY19 has led to successful efforts of keeping the facility open. The proposal to operate the site will strengthen NMSU's state role as a leader in astronomical and geospace research, enhance PhD student recruitment for NMSU, improve a popular astronomical education and public outreach site, and retain 10 high-paying FTE jobs. In leading a consortium to operate the Sunspot site, NMSU will contribute to training and jobs in STEM areas in NM. The NSF awarded a $1.2 million grant (2016-18) to initiate the effort to retain operations of the site. The NSF is also slated to provide $750,000 over the next three years and the NSO will provide $975,000 for site management over the next 3 years. In addition, NMSU has received commitments from out-of-state consortium partners for $300,000 over the next 3 years. The program resides within the College of Arts and Sciences. The program was funded at $273,000 in non recurring funds for FY19 and they are requesting $273,000 in recurring funds.</td>
<td>$ -</td>
<td>$ 273,000</td>
<td>$273,000</td>
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<td><strong>Arrowhead Center for Business Development:</strong> Arrowhead helps NMSU meet its land-grant mission for statewide economic benefit through innovation and entrepreneurship, with services for NMSU students, faculty and staff, aspiring entrepreneurs and existing small businesses statewide; research and educational institutions; and government organizations. Partners on and off-campus comprise an extensive network of business advisors and technical experts who work with Arrowhead and our clients. Arrowhead is requesting $100,000 to expand its presence across NM through the Arrowhead Community Entrepreneurship Program, which will bring our proven entrepreneurial training curriculum and delivery platforms to areas currently lacking access to such resources.</td>
<td>$ 322,200</td>
<td>$ 422,200</td>
<td>$100,000</td>
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<td><strong>Alliance for Teaching and Learning Advancement:</strong> Alliance staff coordinates outreach and extension efforts for the NMSU College of Education while providing a means through which university programs can collaborate with superintendents, district personnel, community organizations, parents, students, state agencies and Regional Educational Cooperatives. In 2017, research done by the Alliance estimated there were 673 education vacancies statewide, an economic development issue affecting every region of NM. In 2015, the Alliance shifted from an organization that served a limited number of member districts to an organization that serves all New Mexico school districts, students, and teachers interested in creating a Teacher Pipeline by supporting Educators Rising NM. The Educators Rising Program is a &quot;Grow Your Own&quot; teacher pipeline program that supports high school students interested in education careers. Alliance requests an increase of $58,500 to enhance the Educators Rising Program, which has grown from 6 programs to over 40 programs statewide serving 600+ students interested in education careers. Funds will be used for additional staff and professional development costs required to best serve this growing statewide network of future teachers.</td>
<td>$ 141,500</td>
<td>$ 200,000</td>
<td>$58,500</td>
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<td><strong>NMSU Manufacturing Sector Development Program:</strong> MSDP's formalized extension outreach and public service programming is focused on leveraging a network of industry, community, and academic partners to solve problems that improve the quality of life, promote economic development and enhance educational systems across the state. MSDP supports three key outreach programs that are recognized leaders in applied research and product design and development with a strong transition to commercialization. Partners are empowered to become leaders in engineering innovation by assisting them to respond to changes in a dynamic world through direct assistance and professional and continuing education. The program resides within the College of Engineering. The program requests an increase of $300,000 to modernize and expand its current operations to meet today's and tomorrow’s high-tech standards and to enhance economic development activities that engage students and faculty with industry and entrepreneurs.</td>
<td>$ 513,900</td>
<td>$ 813,900</td>
<td>$300,000</td>
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<td><strong>Water Resources Research Institute:</strong> WRRI coordinates water resources research among university faculty statewide in order to support research and training related to water scarcity and other critical water issues in New Mexico. Non-recurring supplemental funding from FY16, FY17, and FY19 has allowed the development of a Statewide Water Assessment, a new tool to account for existing water in New Mexico, which complements the state’s every five year tabulations of water use attached to water rights. State funding also funds faculty and student water research grants statewide which includes other educational institutions. The program is requesting an increase of $200,000 to meet additional quantitative data needs of stakeholders and water planners across the state. The WRRI built and continues to refine the Dynamic Statewide Water Budget that provides better data that describes NM's water budget.</td>
<td>$ 628,300</td>
<td>$ 828,300</td>
<td>$200,000</td>
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<td>ATHLETICS</td>
<td>$3,145,800</td>
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<td>Athletics</td>
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<tr>
<td>NMSU Athletics</td>
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<td>Provides a well-rounded and quality educational opportunity for students of diverse backgrounds and athletic ability. NMSU provides an enhanced college experience by maintaining Division 1 FBS status of its athletic programs. NMSU Athletics inspires student-athletes to build strong communities and strives to be known for its integrity and commitment to its students' academic and athletic success. NMSU sponsors 16 sports, including 6 men's and 10 women's sports. The student athlete population of approximately 400 student athletes contributes to the economy at a personal level by fulfilling their financial obligation as students and community members. Positive economic impact is also recognized at the state level through various team and individual activities. All 16 NMSU Men's and Women's athletic sports teams' cumulative grade point averages combined for the last 13 years, 26 consecutive semesters, have achieved accomplishment of being at or above a 3.00 GPA. Athletics is requesting an increase of $944,066 to $4,089,866. The additional funding will primarily be used to improve the safety and quality of travel for our student-athletes. The funding would also be used to help offset the current deficit reduction plan allowing us to enhance student-athlete welfare. Using the additional funds for the debt payment allows us the opportunity to reinvest funds into the operations of all 16 teams providing an enhanced and improved student-athlete experience.</td>
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<td>EDUCATIONAL TELEVISION</td>
<td>$1,023,600</td>
<td>$1,123,600</td>
<td>$100,000</td>
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<td>Educational Television and Public Radio:</td>
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<td>KRWG-TV's mission is to educate and engage community development by providing relevant news, a forum for an open discussion, a celebration of the arts while preserving and conveying human and natural history. To fulfill this mission KRWG-TV provides free over-the-air educational, cultural, and news programming to a largely rural viewing area. The signal reaches a potential audience of over 750,000 viewers. Through PBS and locally produced programs, KRWG provides learning opportunities of all generations. Examples include early childhood offerings, lifelong learning offerings, and collaborative integration with NMSU degree programs. Educational Television is requesting an increase of $100,000 for equipment replacement; enhance early childhood education partnerships and to fund an additional reporter to provide expanded news, features, programming and social media content.</td>
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WHY NMSU & WHY NOW?

- According to a 2018 New Mexico Educator Vacancy Report conducted by the Southwest Outreach Academic Research (SOAR) Lab, there are currently 1,173 educator vacancies in the state with 740 teacher vacancies—an overall increase of 342 open positions and 264 teacher vacancies from the previous year.

- There is currently no formal, coordinated professional learning system for teachers in our state.

- Based on interviews conducted by a committee of internal and external stakeholders, teachers in our state are eager for value-added professional learning programs.

- NMSU is a respected, transparent convenor that can deliver a network of professional learning programs through faculty expertise, online and onsite programming, and leveraging the collective power of committed internal and external partners.

PROFESSIONAL LEARNING FOR NEW MEXICO TEACHERS

BE BOLD. Shape the Future.™

FY20 Request: $2,000,000 (Non-recurring)

New Mexico’s current education system demands urgent and bold action. This initiative steps out in front of a technology-dominant future to create a workforce that will attract new industries and investments to grow the state’s economy, in alignment with Next Generation Science Standards (NGSS) and 21ST century career opportunities.

Quality Teachers, Quality Students

A 2017 report by the Learning Policy Institute stresses the direct and critical correlation between teacher professional learning and student achievement. Specifically, the report conveys how twenty-first-century learning requires sophisticated forms of teaching to develop student competencies, such as deep mastery of challenging content, critical thinking, problem-solving, effective communication and collaboration, and self-direction.

Through a series of effective and relevant professional learning programs, NMSU proposes to lead a network of higher education institutions and partners that will reach teachers statewide. Participating teachers will be able to incorporate active learning strategies, use models of effective practice, have access to mentoring and industry externships, and gain competency and confidence in teaching new and emerging curriculum.

Together we shape the course of our success

NM Public School Districts • Jobs for the Future • STEM Next Opportunity Fund • The Bridge of Southern New Mexico • Explora • Sandia National Labs • Los Alamos National Lab • NM STEM Coalition • STEM-NM • Pathways to Prosperity • Project Lead the Way • White Sands Missile Range • Industry Partners
Funding for the Professional Learning for New Mexico Teachers statewide initiative will support

- Partnering with school districts to leverage existing in-service professional learning days and extended summer learning
- Offer continual online and onsite workshops/courses
- Develop and deliver online teaching modules to teachers statewide, including STEM focus areas
- Develop rigorous professional learning programs for onsite delivery at schoolsites, NMSU, and/or other higher education locations across NM
- Establish professional learning that aligns curricula with career pathways and 21st century job opportunities

“Effective professional learning for teachers is content focused; incorporates active learning; supports collaboration; uses models of effective practice; provides coaching and expert support; offers feedback and reflection; and is sustained in duration.”

–Learning Policy Institute 2017

MEASURING RESULTS (SOUTHWEST OUTREACH ACADEMIC RESEARCH LAB)

- Measure changes in teacher classroom practice
- Measure adoption of Next Generation Science Standards and NM STEM Ready Science Standards
- Measure correlation between professional learning and teacher retention
- Measure program impacts using mixed methods (classroom observations, surveys, and content knowledge assessment)
- Measure impact of teacher professional learning on student learning, when possible

Some of the Current Programs at NMSU Providing Professional Learning Opportunities for New Mexico Teachers
New Mexico State University leads the Sunspot Solar Observatory Consortium in operating the world-renowned Dunn Solar Telescope and surrounding facilities that sit atop Sacramento Peak in Sunspot, NM. This is one of the preeminent places for conducting research on the Sun.

This project brings about $1 million of revenue into the state annually. The NSF is will provide $750,000 over the next three years while the NSO will provide $975,000 for site management over the next 3 years. In addition, NMSU has received commitments from out-of-state consortium partners for $300,000 over the next 3 years. This was set up by a $1.2 million 2-year grant that was recently awarded to the NMSU Astronomy Department by the National Science Foundation after realizing the importance of this project and state funding.

The consortium oversees scientific and educational directives for the project, and its ongoing success depends on each consortium partner, including NMSU, to provide its own investment during operations.

Putting New Mexico at the Forefront

NMSU, together with the NSO and the NSF have assembled and led a consortium of US and international universities and institutes dedicated to funding and operating the facility over the next decade. This places NMSU in a national leadership role for space weather and solar astronomy that is of tremendous interest to NSF, NASA, DoD, and DoE. This prevents the loss of high-paying job in Otero County, which would have occurred as a consequence of the telescope’s closure, and provides economic benefits to the local region. Beyond maintaining about 10 FTE at the site, annual meetings and workshops will bring over 100 weeklong visitors to the area from out of state.

This project strengthens the state’s role as a leader in astronomical and geospace research, enhance PhD student research, enhance PhD student recruitment potential, improve a popular education and key public outreach visitor center, and retain high-paying jobs in Otero County.

The SSOC consists of University of Colorado Boulder, California State University Northridge, the University of Hawaii, Queen’s University Belfast, the High Altitude Observatory, NSF, the National Solar Observatory (NSO) and the National Science Foundation.

In FY20, we will continue to recruit partners, finalize legal and financial commitments, work with NSO staff via cross-over training with new personnel, initiate graduate-student training, and develop new public outreach plans that will increase tourism in the area. In subsequent years, state funding will be used as NMSU’s share of consortium expenses. All telescope personnel will be NMSU employees and contribute to the mission of the university and this project.

The Richard B. Dunn Telescope at Sunspot, NM

Research, education and jobs

The Sunspot Solar Observatory Consortium program will:

- Establish and lead a diverse consortium to operate the Dunn Solar Telescope
- Enhance the outstanding reputation of New Mexico in cutting-edge research
- Save and retain ~10 FTEs in STEM jobs in Otero County
- Reinvigorate the Sunspot Astronomy Visitor Center with new programs and attractions to boost tourism in Otero County
- Provide student training in areas of fundamental importance to the state’s national laboratories
- Expand outreach and education programs with NM public schools
In FY20 with NM funds we seek to:

- **Consolidate the consortium:** establish strong leadership by enabling MOUS with five (5) partners (in areas of science, education, instrumentation, and outreach) to ensure broad interest from the solar physics community; Obtain sufficient financial commitment to allow for full operations and to establish scientific agreements with institutes that provide instrumentation at the telescope.

- **Hire sufficient personnel:** hire three (3) mission-critical staff to continue knowledge transfer and development of scientific and educational operation plans for the site.

- **Host scientists:** host 40 students and professional participants; Provide for graduate recruitment and retention opportunities and critical manpower for future schools to build a strong statewide education and public outreach plan; attract 15,000 public visitors to the site.

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**Sunspot Astronomy and Visitor Center**

Due to strong interest and many visitors to the Sunspot astronomy facilities, the Astronomy and Visitor Center opened its doors on Sacramento Peak in 1997. It is the result of a collaboration between the NSO/Sacramento Peak, Apache Point Observatory, and the USDA Forest Service. The Visitor Center will attract about 15,000 visitors per year.

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**Leveraged funds**

Located at Sunspot, NM, the Dunn Solar Telescope specializes in high-resolution imaging and spectroscopy that allows astronomers worldwide to obtain a better understanding of the Sun and how space weather impacts Earth. The Dunn telescope continues to provide a versatile, user-friendly set-up. Scientists and engineers use the Dunn to investigate a range of solar activity. It also provides a testbed for developing cutting-edge technologies for near-telescopes.

With this telescope, the state will also have a key facility for hands-on training in advanced instrumentation for students.

In 2018, the availability of data from the DST led to a $368,015 grant to NMSU from NSF, to fund additional student and postdoctoral research on solar filament eruptions. In 2017, the availability of data from the DST led to a $110,893 grant to NMSU from NASA, to fund student research and...
Arrowhead Center for Business Development
BE BOLD. Shape the Future.
New Mexico State University

FY 2019 Appropriation: $322,200
FY 2020 Expansion Request: $100,000
Total FY20: $422,200

**Arrowhead Center** (Arrowhead) at New Mexico State University (NMSU) plays a vital role supporting the state’s entrepreneurial and innovation ecosystem, creating economic opportunity in New Mexico. Arrowhead offers programs in business acceleration and student entrepreneurship; ground-floor access to NMSU’s intellectual property and resources; and initiatives focused on building technology clusters that leverage the strengths of NMSU. Arrowhead epitomizes the concept that innovation-based economic development is best undertaken with as few borders and boundaries as possible, whether they are disciplinary, programmatic, or geographic. Together, Arrowhead and our partners continue to drive the promotion and marketing of game-changing technologies and innovations emerging from our state.

**HIGHLIGHTS FY 2018**

- **291** Jobs Created by Arrowhead Clients
- **$149M** Total Economic Impact
- **$2.6M** Awarded to Clients
- **470** Startups Assisted
- **41** Innoventure in 41 Communities
- **366** University Student Business Ventures
- **54** Arrowhead Sprint Ventures
- **$1M** Foster Family Gift

Total Economic Impact: $149 M
Startups Assisted: 470
Awarded to Clients: $2.6 M
Jobs Created by Arrowhead Clients: 291
Innoventure in 41 Communities: 41
University Student Business Ventures: 366
Arrowhead Sprint Ventures: 54
Foster Family Gift: $1 M
The Arrowhead Community Entrepreneurship Program (ACEP) is an initiative to deliver entrepreneurial and business development training and tools in New Mexico communities which lack access to such resources locally.

ACEP, by teaming with a community champion, will offer remote business incubation services with access to educational and training materials, advisors, and funding.

Through ACEP, startup businesses will have access to the resources to develop their ideas into viable enterprises.

Arrowhead’s NMSU partner is the Cooperative Extension Service. External partners include the NM Economic Development Department’s regional representatives, Small Business Development Centers, community leaders, and other economic development organizations.

A $100,000 funding expansion will allow Arrowhead to:

- Support a part-time ACEP coordinator, provide resources for local champions, and provide access to specialized assistance for startup companies
- Leverage existing business development programs to serve more NM communities
- Increase the number of business ventures in NM
- Offer new economic opportunities for New Mexicans
- Benefit taxpayers with more jobs and increased tax base

Arrowhead is committed to serving the entire state with our programs and resources, partnering with NMSU organizations such as the Cooperative Extension Service and external economic development organizations. Our educational and business development programs are tailored to meet individual community and business needs.
Alliance Goals

1. To **create a pipeline of new teachers** in New Mexico by serving as the state office for Educators Rising NM. The goal is to have the Educators Rising program established in 100 New Mexico schools by 2020.

2. To **increase partnerships** with existing NMSU STEM Outreach Programs, school districts, community agencies, Regional Education Cooperatives, State agencies, and National agencies to support teacher recruitment, research and STEM Education in New Mexico.

3. To **increase the research capacity of the College of Education** through the Southwest Outreach Academic Research (SOAR) Lab. SOAR provides research and internship opportunities for both graduate and undergraduate students from various disciplines. These students work with existing STEM programs to develop research plans, create data collection instruments, analyze data, write publications, give presentations and conduct program evaluations.

**IMPACT OF EDUCATORS RISING 2015-2018**

- 35+ teachers, administrators and HED faculty established 5 year plan in 2015
- 32 Active High School Chapters
- 647 registered high school students
- 182 students at 2018 State Conference
- 270 total attended 2018 State Conference
- 38 from NM at 2018 National Conference
- 5 College Chapters: NMSU, ENMU, CNM, UNM, WNMU and NMHU
- Increase in dual credit enrollment (NMSU Grants, CNM, San Juan College)

**Why Educators Rising?**
New Mexico currently has a need for teachers, especially bilingual teachers, SPED teachers and teachers in rural areas. The enrollment in teacher preparation programs at NMSU and throughout NM has been decreasing for over 10 years.

In an effort to reverse this enrollment trend and to support high school students who have a desire to pursue education as a career, The Alliance established the Educators Rising NM State office in 2015. Educators Rising serves over 600 students enrolled in 35 high school and college chapters across New Mexico. The Alliance has hosted three successful state student leadership conferences and supported student travel to the 2016, 2017 and 2018 national conferences.

The additional funds will be used to more fully staff an Educators Rising State Office as it continues to grow. We will establish a regional support system for Teachers and students throughout the state of New Mexico.
Goal 2: Increase partnerships to support STEM Outreach and Teacher Recruitment in New Mexico

<table>
<thead>
<tr>
<th>Educators Rising Schools from 2015-2018</th>
<th>State &amp; National Partners</th>
<th>Education and STEM Outreach</th>
<th>External Funding Sources FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alamogordo HS</td>
<td>WNMU</td>
<td>NMSU Mathematically Connected Communities (MC²)</td>
<td>Educators Rising:</td>
</tr>
<tr>
<td>Arrowhead ECHS</td>
<td>*ENMU</td>
<td>NMSU STEM Outreach Center</td>
<td>NMPED ($35,000)</td>
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<tr>
<td>Artesia HS</td>
<td>SJCC</td>
<td>NMSU Scientifically Connected Communities (SC²)</td>
<td>CES NM ($25,000)</td>
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<tr>
<td>*Atrisco Heritage HS</td>
<td>*CNM</td>
<td>NMSU Arrowhead Center-Innovation</td>
<td>Research Partners:</td>
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<tr>
<td>*Aztec HS</td>
<td>UNM</td>
<td>NMSU Pre-Engineering Program</td>
<td>NSF: Math Snacks Early Algebra (PI)</td>
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<tr>
<td>*Bernalillo HS</td>
<td>NMHU</td>
<td>Math Snacks (NSF)</td>
<td>NSF: Engineering Metacognition Project (Co-PI)</td>
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<tr>
<td>*Bloomfield HS</td>
<td>*NMSU</td>
<td>NMSU Learning Games Lab</td>
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<tr>
<td>Capital HS</td>
<td>Educators Rising</td>
<td>The New Mexico Math and Science Partnership</td>
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<td>*Carlsbad HS</td>
<td>NM Public Ed Department</td>
<td>NM EPSCOR</td>
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<td>Centennial HS</td>
<td>Anne E. Casey Foundation</td>
<td>New Mexico Coalition of Education Leaders</td>
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<td>*Chaparral HS</td>
<td>LANL Foundation</td>
<td>NM Regional Education Cooperatives</td>
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<td>*Clovis HS</td>
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<td>*Clovis Freshmen</td>
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<td>*Crown Point HS</td>
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<td>*Floyd HS</td>
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<td>*Gadsden HS</td>
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<td>Gallup Central HS</td>
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<td>*Hobbs HS</td>
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<td>Hot Springs HS</td>
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<tr>
<td>Kirtland Central HS</td>
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<td>*Active Chapters</td>
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<td>*Laguna Acoma HS</td>
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<td>Magdalena HS</td>
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<td>*Manzano HS</td>
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<td>*Melrose HS</td>
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<td>Mescalero Apache HS</td>
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<td>*Questa HS</td>
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<td>*Raton MS</td>
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<td>*Rio Grande Prep HS</td>
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<td>*Rio Rancho HS</td>
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<td>Roswell HS</td>
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<td>*Santa Teresa HS</td>
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<td>*Shiprock HS</td>
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<td>Silver City OHS</td>
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<td>*Taos HS</td>
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<td>*Tezicke HS</td>
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<td>*Tohatchi HS</td>
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<td>*Tsé Yi Gai</td>
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<tr>
<td>Tularosa MS</td>
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<td>*V. Sue Cleveland HS</td>
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<td>Wingate HS</td>
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<td>*Active Chapters</td>
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Goal 3: Increase the Research Capacity in the College of Education

We provide graduate and undergraduate students with hands-on research experience by assisting K-20 Education Outreach programs close the Outreach-Research Gap.

For More information on SOAR Lab activities, please visit www.alliance.nmsu.edu
The Need
Nearly 3.5 million manufacturing jobs will likely be needed over the next decade, with 2 million positions expected to go unfilled (Deloitte Consulting). With the Southwest comprising the fastest growing region in the U.S., state leaders are aggressively pursuing manufacturing enterprises.

The Opportunity
1. Take our educational programs and equipment to meet today’s high-tech standards.
2. Increase focus on economic development activities engaging students, faculty, industry and entrepreneurs.
3. Enhance cross-disciplinary research opportunities.

The Request
| FY 19 Appropriation | $513,900 |
| FY 20 Expansion Request | $300,000 |
| Total FY 20 Request | $813,900 |

Be Bold. Shape the Future.
Students, Faculty, Industry: Developing New Mexico’s Economy

**A Sampling of FY18 Successes**

- Worked on 19 community-funded projects:
  - Built an autonomous airplane,
  - Developed a charging system for a drone in flight,
  - Built a system to control traffic lights via Bluetooth, and
  - Build autonomous robotic system to wire solar panels.
- Advised 500 plus students with 65 projects:
  - 3D printed component for hybrid rocket
  - Reconfigured a 3D printer to work with metal filaments;
  - Developed a sensor to measure speed and power generated by a turbine,
  - Created solar still mirror system to concentrate sunlight.

- Assisted with numerous research and funded projects:
  - Made an ultraviolet LED chamber to polymerize liquids,
  - Built a robot to explore hard to reach areas,
  - Built an autonomous robot that can write, and
  - Programmed a robotic arm to take dental images.

- Presented 19 workshops:
  - Arduino, Matlab, NX/Assemblies, finite-element analysis and 3D printing,
  - Spider Robot assembly,
  - Cast molding of 3D printed parts, and
  - Soldering

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**Serving the Needs of New Mexico**

- Increased manufacturing-based education and activities.
- Entrepreneurship building among students and faculty.
- Learning and research opportunities that promote economic development.
- Faculty-entrepreneur collaboration to design, build and test projects.
- Advance cutting-edge research with commercial value.
- Workforce-ready graduates to feed the advanced manufacturing workforce.

---

**Where we are now**

- Limited number of students engaged
- Minimal industry participation and funding
- Low-tech methods and equipment, i.e. welding
- Unproven concepts and ideas

**Where we are going**

- Engagement of all students and faculty mentors
- Industrial partners/sponsors for real-world projects (Boeing, Intel commitments)
- High-tech methods and equipment, i.e. robotics
- Manufacture-ready products
NM Water Resources Research Institute

FY19 Appropriation: $628,300
FY20 Expansion Request: $200,000
Total FY20 Request: $828,300

Water – the Grand Challenge Facing New Mexico

- State funding to advance WRRI’s mission to conduct research and disseminate knowledge that solves water resources problems
- Tap into the brainpower of the state research universities to make advances in critical areas of water-related research
- Support community and economic development
- Funded 54 faculty researchers and 56 students across the state in FY16-FY18

Meeting User Needs and Advancing Science with the Statewide Water Budget (SWB)

Expansion funding will be used to respond to stakeholder needs for quantitative data using the Statewide Water Budget

Meeting Stakeholder Needs

- Assist NM state agencies with drought characterization and response
- Work with ISC planners to deliver priority water issue workshops
- Provide a physical water budget tool for the NM State Water Plan
- Customize the model to meet stakeholder needs for produced water in southeastern NM and for floodwater management with the EBID in the lower Rio Grande
- Help the MRGCD analyze, store, and deliver water data

Cutting Edge Science with the SWB

The SWB is a formalized accounting model that includes future scenarios for population growth, Ag and M&I water-use efficiency, and management decisions for protecting water in NM.

- Over 30 million data points describe major flows and storage of water
- Cutting-edge research reveals recharge and evapotranspiration processes in NM
Statewide Collaboration for Statewide Water Budget

SWB RESEARCH COLLABORATION

Some Recent Efforts by Faculty and Students
- Tree canopy changes on the Gallinas Creek (1939-2015)
- Soil properties following severe wildfire burn
- Algal remediation of arsenic
- Meteorological infrastructure for managing the middle and lower Rio Grande
- Uranium abatement using clays
- Wildfire impacts on the Upper Santa Fe Municipal Watershed
- Bacterial regrowth along the Rio Grande in Albuquerque
- Agricultural impacts of the Gold King Mine spill

A Long History of Solving Water Problems
- WRRI established in 1963
- Federal support since 1964 (Water Resources Research Act)
- NM statutory authority since 2005 (NMSA 1978 21-8-40)
- $914,910 external funds generated in FY19

Informing Water Management for NM’s Economy

Every sector of NM’s economy, including jobs, education, culture, and health relies on available and good quality water.

- Protect acequias
- Avoid lawsuits
- Save water with new crops
- Avoid water shortages
- Improve watersheds

Trains students statewide who will lead NM’s workforce

Helps communities and water agencies better plan and manage water
New Mexico Department of Agriculture

Be Bold. Shape the Future.

FY19 Appropriation: $11,331,600
FY20 Expansion Request: $ 700,000
TOTAL FY20 Request: $12,031,600

State Veterinary Diagnostic Services
$150,000

VDS is in need of an additional full time veterinary pathologist to assist with an increased workload as well as to help VDS continue to meet its mission of providing accurate diagnostic results in a timely fashion.

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Necropsy</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>402</td>
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</tr>
<tr>
<td>2013</td>
<td>424</td>
<td>+22</td>
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<tr>
<td>2014</td>
<td>457</td>
<td>+33</td>
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<tr>
<td>2015</td>
<td>551</td>
<td>+94</td>
</tr>
<tr>
<td>2016</td>
<td>583</td>
<td>+32</td>
</tr>
<tr>
<td>2017</td>
<td>506</td>
<td>-77*</td>
</tr>
</tbody>
</table>

*Note that there will always be seasonal variability in necropsy submissions and that the overall trend should be observed. YTD VDS has had 381 submissions vs. 363 for this time during 2017.

The pathologist will: assist in providing results in a timely fashion, allowing for a standard three week rotation of biopsy, necropsy, and case interpretation and finalization. Currently interpretation and finalization are not being scheduled due to time restraints.

Domestic and International Market Development
$150,000

$100,000 – International Marketing
5-6 projects working to assist NM food and agricultural suppliers who aren’t adequately served by larger commodity cooperators. Identify, develop, new markets and enhance existing markets by promoting NM agricultural products globally.

$50,000 – Domestic Marketing
Increase marketing capacity to support producers and manufacturers to promote NM products in food service and retail outlets.

New Mexico Department of Agriculture is a constitutional agency organized under the Board of Regents of New Mexico State University.

Vision

NMDA works for the benefit of the state’s citizens and supports the viability of agriculture and affiliated industries.

Mission

NMDA promotes food protection, a uniform and fair market place, and global marketing and economic development; supports beneficial use of natural resources; and works cooperatively with public and private sector entities.
Standards and Consumer Services
Consumer Protection Including Chile Advertising Act
$350,000

4 additional inspectors will allow the division to fulfill its statutory inspection requirements, while providing consumer and business protection.

Chile Advertising Act- Continue to increase enforcement of the Act. YTD NMDA has performed 340 inspections leading to 242 violations. Assist constituents with remediation efforts in order to achieve compliance.

The number of inspected devices (scales, meters, pumps) has increased 39% since 2013, current staff levels are not sufficient to handle the workload demand.

In 2017 58% of liquid petroleum gas businesses were not inspected due to lack of an adequate inspection workforce.

Inspection services provided by the department touch everyone in their daily lives from scale inspections to gas pumps.

Departmental Information Technology
$50,000

NMDA is seeking one additional IT specialist to address the increasing mobile needs of the department.

The new position will assist in:
Providing and maintaining 24/7 support for all NMDA personnel both domestically and abroad.

Programing and database support to streamline processes that providing licensing, registration, certification, analysis, and diagnosis, better allowing the department the capabilities to serve our constituents.

Addressing the mobile device needs of 158 NMDA personnel in the field and throughout the state.

Standards and Consumer Services Inspections

The Consumer services program inspects weighing and measuring devices annually that are used commercially.
Examples of some devices inspected by Consumer services include store checkout scales and scanners, truck scales, and livestock scales.

These devices are inspected and tested in accordance with the specifications and tolerances as set forth in the National Institute of Standards and Technology (NIST). Inspectors also test for net content of packaged commodities in accordance with NIST, labeling, pricing accuracy and egg quality.

Some examples of packages inspected are milk, bread, chips, canned goods, meats, cereals, ice cream, livestock and pet feed, seed, and numerous other commodities.
Agricultural Experiment Station

MISSION: NMSU’s Agricultural Experiment Station (AES) is the principal research unit of the College of Agricultural, Consumer and Environmental Sciences. The AES system supports fundamental and applied science and technology research to benefit New Mexico’s citizens in the economic, social, and cultural aspects of agriculture, natural resource management, and family issues. The AES system consists of scientists who work on NMSU’s main campus and at off-campus Agricultural Science Centers in Alcalde, Artesia, Clayton, Clovis, Corona, Farmington, Las Cruces, Los Lunas, Mora, and Tucumcari.

This expansion request is for operational funds to help maintain AES facilities at the off-campus Agricultural Science Centers (ASCs). A 2012 study conducted by NMSU’s Office of Facilities and Services estimated repair costs for six ASCs at over $12M. The remaining ASCs, not evaluated in this study, have similar needs. The Agricultural Experiment Station’s current operations ($124,000) for maintenance has remained stagnant for 15 years while the cost of performing routine repairs escalates.

These centers also provide STEM-based, hands-on, educational training opportunities for high school, undergraduate and graduate students and deliver outreach to stakeholders and the public through field days and other events.
Researchers from the Farmington ASC were part of an NMSU team of first responders in evaluating and monitoring the impact of the 2015 Gold King Mine spill in the Animas River. Data from soil and water quality testing are helping local farmers and the Navajo nation make informed decisions and have confidence in resuming their farming activities.

Cropping systems research at the Clovis ASC has identified alternative crops and management strategies that use 25% less water, increase profitability, and improve environmental quality in dryland and limited-irrigation cropping systems.

Forage research conducted at the Los Lunas ASC shows potential savings of $100/acre by using improved crop management strategies, such as, better species and variety selection, proper fertilizer and seed inputs, and improved water use efficiency. Based on annual forage production in New Mexico, the potential impact exceeds $35M.

Research conducted at the Chihuahuan Desert Rangeland Research Center is helping to improve cattle genetics with an emphasis on traits that enable cattle to range further and broaden their food sources. These animals, which are more resilient during periods of drought and forage scarcity, lower the impact of beef production on Southwestern ranches.

Research at the John T. Harrington Forestry Research Center at Mora is investigating planting strategies using drought-tolerant species to aid in post-fire restoration for forests in the arid Southwestern United States. Reforestation success has improved from 20% to over 80% using these strategies.

Organic research at the Sustainable Agriculture Science Center at Alcalde is helping Northern New Mexico’s small farms expand their markets and meet demands of the local consumers. Based on work conducted at the center, local producers are growing and selling organic strawberries grossing the equivalent of $40,000 per acre.

Beef herd improvements due to feed efficiency testing conducted at the Tucumcari ASC has increased the value of NM’s beef cattle industry by over $800K annually.

Manure management strategies and soil test software developed at the Artesia ASC optimize nutrient rates from various sources to reduce potential nitrogen contamination and avoid extreme remediation expenses for NM’s dairy industry.

Research conducted at the Clayton Livestock Research Center is focusing on health and performance of highly stressed calves. This research is identifying ways to reduce bovine respiratory disease, which costs the beef industry $2-3B annually.

Collaborative crop variety trails conducted at Leyendecker, Fabian Garcia and several other ASCs provides performance results over a wide-range of soil types and environmental conditions. Results from these trials allow producers to select the best varieties for their specific farming operations.

Research conducted at the Corona Range and Livestock Center identified a seasonal diabetic disorder in cattle grazing on dormant forages and developed a solution to this worldwide problem.
Intercollegiate Athletics

NMSU Athletics inspires student-athletes to build strong communities and strives to be known for its integrity and commitment to its student’s academic and athletic success.

The student population of approximately 400 student-athletes contributes to the economy at a personal level by fulfilling their financial obligation as students and community members.

As team members, student athletes are provided a platform to grow as leaders, team players, and responsible and successful community members.

The contributions made by intercollegiate athletics include educating, mentoring, and the training of future leaders and providing on-the-job training to allow workforce ready skills acquired by the student-athlete.

NMSU sponsors 16 sports including 6 men’s: football, basketball, baseball, golf, tennis, and cross country, and 10 women’s sports: basketball, volleyball, softball, soccer, tennis, golf, cross country, indoor track, outdoor track and swimming and diving.

Value of Athletics to the Community and Economy

2017 marked the first time the New Mexico State Aggie football team went to a bowl game in 57 years. The NOVA Home Loans Arizona Bowl saw 25,000 aggie fans in attendance. On January 20, 2018, fans returned to Las Cruces as 4,500 aggies packed the Plaza de Las Cruces to celebrate the 2017 NOVA Home Loans Bowl Champions.

The contributions made by intercollegiate athletics participation, demonstrates successful students with workforce skills acquired through their role as a student-athlete, student employee or graduate assistant. By providing hands-on and on the field experience, students are workforce ready when they leave NMSU, providing capable employees within the state and throughout the nation. The student-athlete population, contributes to the economy at a personal level by fulfilling their financial obligation as students and community members. Positive economic impact is also recognized at the state level through various team and individual activities.

Student Athletes

- Student-athletes completed 6,124 hours of community service
- All of our 16 NMSU Men’s and Women’s Athletic Sport Teams cumulative grade point averages combined over the last 12 years, 24 consecutive semesters, have achieved the accomplishment of being combined at or above a 3.00 GPA
- All 16 Men’s and women’s sport teams Spring 2018 cumulative GPA combined was a 3.06
- For the past 13 years, 26 consecutive semesters, Scholarship-Athlete representation (3.00 semester and cumulative GPA or higher) was higher than 50% of the student-athlete population
- Women’s cross country, volleyball, men’s basketball, women’s basketball, men’s tennis, softball and baseball all won WAC Championships.
- Football went to a bowl game for the first time in 57 years.
NMSU aims to continue to improve academically and competitively and give back through serving the community. Key project objectives include:

- Achieve NCAA Academic progress Rate (APR) of 930 or higher for all NMSU Teams
- Enhance diversity among athletic staff and student-athletes
- Achieve recognition for all NMSU teams.
- Published rankings in the WAC Commissioner’s Cup to build loyalty and affinity by providing competitive teams.
- Engage former student-athletes and alumni by holding various events around the state

Recent activities include:

- Hosted an Aggies in Paradise event that set a record with 500 aggies in attendance
- Debuted Pistol Pete 1888 Ale
- Hosted the first Downtown Aggie event at the Plaza de La Cruces
- Held four Aggie Caravans across the state
- Donations set another record increasing 56% from last year
- NMSU Academic Support Programs and Services Center (ASPSC) continues to be committed to providing quality educational services that achieve academic, personal, and career success for all student-athletes.

Athletics in Today’s Financial Setting

NMSU Athletics continues to manage its financial situation. In doing so, the department has maintained its commitment to provide operating funds to its 16 sponsored sports. Increased costs, along with our geographic location have continued to place a strain on coaches and staff and have been consistent major challenges in managing costs. Part of recruiting and commitment to our student-athletes is the level of competition we provide them. Maintaining appropriate funding is necessary to allow the programs the opportunity to continue to meet obligations and provide a positive, safe and well-rounded experience for students participating as athletes.
KRWG TV covers a region roughly the size of West Virginia. We broadcast from the campus of New Mexico State University. Our signal extends west to Grant County, north to Sierra County and east to Otero County. As population and use of media changes, KRWG has made a commitment to continue to provide relevant services that will meet the needs of all of Southwestern New Mexico.

KRWG TV – Providing educational outreach to Southwestern New Mexico for over 44 years!

**NMSU Public TV, KRWG**

<table>
<thead>
<tr>
<th>FY19 Appropriation:</th>
<th>$ 1,023,600</th>
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<tr>
<td>FY20 Expansion Request:</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>Total FY 20 Request</td>
<td>$1,123,600</td>
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The KRWG complex is utilized by multiple NMSU educational departments as laboratory and classroom space. Additionally, KRWG engineering staff provides maintenance and repair services for the facilities that are utilized by these other NMSU departments.

KRWG plays an important role in meeting NMSU’s promise as a land grant institution. KRWG offers a distinctively unique service to the region from New Mexico State University.

**Statewide Impact**

In collaboration with UNM/APS and ENMU’s public stations, we provide the only statewide television services. During a statewide emergency, Public media is the only source to reach 98% of the State via Radio, TV, web, Facebook, and twitter.

KRWG provides 24-hour service of award winning children’s programming. PBS public affairs shows, cultural offerings and over 150 hours of local productions to serve the needs of our 80,000 New Mexico viewers who tune in each week.

KRWG is the only television station located in Southern New Mexico with programming specific to the needs of New Mexico. Three digital channels provide programming. They include: Channel 22.1 – Full HD PBS programs; Channel 22.2 – MHz Worldview with world news; and Channel 22.3 – PBS Kids 24/7 Kids Educational Programming.

**Early childhood Education Impact**

KRWG airs high-quality early childhood educational programs an average of 10 hours a day on our main channel and 24 hours a day, 365 days a year on our PBS Kids sub-channel. This makes KRWG Public Media the largest Pre-K educator in the region.

KRWG TV has provided:
212 hours of local programing
Over 4000 hours of children’s educational programing

**NMSU Student Impact**

KRWG provides hands-on professional experience for university students resulting in post-graduation employment.

Student’s that have worked at KRWG as students have gone on to work for local TV affiliate in El Paso, Albuquerque and even ESPN & NBC News. Experience gained at KRWG translates into careers for many students.
Equipment Replacement
KRWG’s archive and diagnostic equipment is obsolete and facing “end of life” status from the manufacturer. Manufacturer support for this equipment will cease soon. This puts our service to southwest New Mexico in jeopardy.

Enhance Early Childhood Education Partnerships
KRWG partnered with Ngage NM to drive early childhood educational initiatives in our region. This resulted in a grant application, that if approved, will award $170,000 over two years towards those efforts.

Additional Reporter
This staff member will help us provide expanded news, features, programming and social media content to fulfill our mission of service to the region. Enhancing our journalistic endeavors will encourage additional donor support.
NMSU Policy Initiatives
University Police Jurisdiction

This bill proposes to codify in statute what is already being done at universities across the State. Existing statute provides authority for police officers charged with protecting our state’s higher education students and employees. Over the past few decades, there have been instances where the current statute has been found to be lacking due to evolutions in higher education policing and the safety needs of our institutions. Up to this point, these situations have been addressed through a combination of cross-commissioning of officers and a collection of mutual aid agreements. While courts have consistently found these “work arounds” to be legal, they are less than transparent to the general public and may not comport with legislative intent.

The bill seeks to change Section 29-5-2 NMSA 1978. If passed, the change would provide university officers with clear statutory authority to enforce state statutes on sidewalks and public roadways immediately adjacent to a campus where classes are being taught. These sidewalks and streets often meander through campuses, where officers already have jurisdiction, then shift to one side of campus, and then go back through campus property. Since the passage of the federal Clery Act in 1991, institutions have also been required to collect and disclose crime statistics on these streets. The proposed statutory change would allow university police to address crime taking place on the literal borders of the campuses where students and employees come and go.

In addition, the needs of our campuses have changed. Instances have occurred where emergencies have required rapid evacuation of a campus, and the ability to provide traffic control in order to quickly and safely evacuate students and employees has been critical. Without this effort, people would have been left in potentially dangerous situations longer, and those trying to leave would have been at elevated risk trying to cross busy streets on foot or force their way into other vehicle traffic.

This proposed legislation was considered during the 2017 General Session as HB 233, and passed the House by a vote of 65-0 and passed the Senate by a vote of 38-1. However, it was pocket vetoed by the Governor without explanation. We are once again before this body asking for the existing practices to be authorized and codified in statute.
NMSU Las Cruces Campus Showing Current Statutory Jurisdiction on Streets
Solid lines indicate current areas of jurisdiction and dotted lines indicate the added areas of jurisdiction if the bill becomes law.