FY 2017

NMSU
LEGISLATIVE
PRIORITIES
<table>
<thead>
<tr>
<th>NEW MEXICO STATE UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 (FY17) LEGISLATIVE PRIORITIES</td>
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<table>
<thead>
<tr>
<th><strong>Operational</strong></th>
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<tbody>
<tr>
<td><strong>Non - Instruction and General</strong></td>
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<table>
<thead>
<tr>
<th><strong>Compensation</strong></th>
<th>3% compensation increase for all higher education faculty and staff.</th>
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</thead>
<tbody>
<tr>
<td><strong>Sunspot Solar Observatory Consortium</strong></td>
<td><strong>$273,400 (NEW)</strong> Form and lead a consortium to continue operation of solar research facilities at Sunspot in Otero County. Funding will be used to match federal and third party funding. If such a consortium is not formed the facility, which has previously operated with federal funding, will close in 2017. This will result in a loss of high wage jobs and negative economic impact to Otero and Lincoln Counties.</td>
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<tr>
<td><strong>New Mexico Center for Autism Research, Testing, Training, and Treatment (NMCART)²</strong></td>
<td><strong>$359,000 (NEW)</strong> To address the dilemma of undiagnosed children with autism in southern New Mexico by providing timely and appropriate assessments and treatment through a multidisciplinary outreach assessment center in autism. Currently southern New Mexico families must travel to Albuquerque for appropriate services.</td>
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<tr>
<td><strong>Science, Technology, Engineering, Math, and Entrepreneurship Outreach</strong></td>
<td><strong>$408,600 (NEW)</strong> A K-20 multidisciplinary program geared towards delivering best practices statewide to develop a pipeline that prepares students to meet the state’s STEM workforce and entrepreneurial needs.</td>
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<tr>
<td><strong>Water Resources Research Institute</strong></td>
<td><strong>$400,000</strong> Continue initiatives to improve water management throughout the state. This includes funding a yearly water assessment that addresses water scarcity challenges and improves water planning.</td>
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<tr>
<td><strong>Southwest Technology Development Institute</strong></td>
<td><strong>$250,000 (NEW)</strong> Enhance NMSU’s leadership position in microgrids and renewables by providing advanced workforce training, and driving basic research towards supporting consumers and utility providers with innovative technology-related electric utilities and grid integration.</td>
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<tr>
<td><strong>Los Luceros</strong></td>
<td><strong>400,000 (NEW)</strong> $250,000 will be recurring to allow for the administration, operation and maintenance of the historical aspects of Los Luceros, and $150,000 one-time funding to study long-term needs of the property. This funding will be combined with FY16 funds that allow for the agricultural operations of the property.</td>
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<tr>
<td><strong>Athletics</strong></td>
<td><strong>$900,000</strong> Allow NMSU to appropriately address the NCAA’s new policy permitting institutions, for the first time, to pay additional money for a student-athlete’s “true cost of attendance”. Such an award will cover the cost of supplies, transportation and other personal expenses. Intended to also allow NMSU to compete with regional and conference member institutions in recruiting the best academically and athletically qualified student-athletes. The inability to pay for “true cost of attendance” impacts state and regional recruiting.</td>
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<tr>
<td><strong>New Mexico Department of Agriculture</strong></td>
<td><strong>$561,600</strong> 1) Continue operating Organic Certification Program: $125,000. Due to restrictions on fee increases, the program is operating in deficit; as such new funds are being requested to sustain the program. 2) Taste &amp; Grown with Tradition Marketing Campaign: $175,000. 3) Staff Market Equity Program for Inspectors &amp; VDS Staff: $261,600</td>
</tr>
<tr>
<td><strong>Cooperative Extension Service</strong></td>
<td><strong>$377,000</strong> Address the increase in cost of operations and allow CES to enhance its mission of providing New Mexicans with practical, research-based knowledge and programs that improve quality of life.</td>
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<tr>
<td><strong>Agricultural Experiment Station</strong></td>
<td><strong>$375,000</strong> For 15 graduate assistantships directed to working in research programs that address state-wide issues of concern that directly benefit New Mexicans. Graduate student support is critical as it is the core of research activity in most research programs.</td>
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Sunspot Solar Observatory Consortium Proposal:

- Save high-paying jobs in Otero County
- Hire personnel to allow for knowledge transfer and development of plans for full-time operation of the site.
- Prevent the relocation of employees and families who have been part of the Sunspot/Cloudcroft area
- Commitment of a minimum number of five partners to the collaboration (in areas of science, education, instrumentation, and outreach) to ensure broad interest from the solar physics community
- Continue to contribute to the economy of Otero County and boost tourism
- Provide student training in areas of importance to AFRL, LANL and Sandia.
- Outreach and programs with NM public schools

Sunspot Solar Observatory Consortium: Research, Education, and Jobs

New Mexico State University and the State of New Mexico have an exciting opportunity to acquire operation of the world-renowned Dunn Telescope and surrounding research facilities that sit atop of Sacramento Peak in Sunspot NM, and which is one of the preeminent places to conduct research of the sun. This operation would bring nearly $1 million into the state annually during FY 2018-2027.

The National Solar Observatory (NSO) is set to vacate the facility, for which Sunspot, NM is named, in 2017. This sets Otero County up to lose the high-paying jobs, and the revenue that has been provided by the scientists from other universities and observatories who pursue research there, and tourists who come to visit the solar telescope and its visitors center. The loss of the community made up of NSO employees and families as it relocates with the NSO will have a significant impact on the local economy.

NMSU proposes to assemble and lead a consortium of U.S. and international universities and institutes dedicated to funding and operating the facility over the next decade. This will place NMSU and New Mexico in a national leadership role in a space weather subject matter. Leading the consortium, NMSU would hire site staff to capture the technical expertise currently there. The consortium will be composed of national and international universities who will pay an annual fee to obtain access to the telescope and its data.

This will also save high-paying jobs in Otero County, which will otherwise be lost as a consequence of the NSO’s exit, and will also provide economic benefits to the local region. Beyond maintaining about 10 FTEs on the site, annual meetings and workshops will bring over 100 week-long visitors from out of state, as well as the ongoing tourists who visit the site. The facilities include the Sunspot Astronomy and Visitors Center, which attracts over 12,000 visitors per year.
The Richard B. Dunn Telescope at Sunspot, NM

The Dunn Solar Telescope specializes in solar high resolution imaging and spectroscopy. These observations allow astronomers from around the world to obtain a better understanding of the sun. While larger telescopes have since been developed the Dunn continues to provide a versatile, user-friendly setup in the world. Scientists and engineers use the Dunn to investigate a range of solar activities.

Due to the interest and visitors, the Sunspot Astronomy and Visitor Center opened its doors on Sacramento Peak. It is the result of a collaboration between the NSO/Sacramento Peak, Apache Point Observatory, and the USDA Forest Service. The visitors’ center attracts about 12,000 visitors per year.

Unique Opportunity in 2017

If the research facilities at Sunspot do not have a new operator in 2017 when NSO vacates, New Mexico will have lost a tremendous asset to the economy of the area, the state, and an opportunity to further New Mexico’s recognition as a leader in this research area. The Sunspot, NM community made up of NSO employees and families has had a large presence in the Cloudcroft area for decades and would relocate with the NSO.

In helping to retain this site through the consortium, the state will continue to enable access to a valuable facility that many of its research labs (AFRL, LANL, NRAO, etc) have been involved with in the past. The state will also have a key facility for hands on student training in advanced instrumentation. This provides a tourist destination in southern New Mexico that will also be enhanced. This project is an incredible chance to mitigate all of the negative consequences of closing the telescope. In the past 12 months, NMSU has already been proactive in seeking partners to build the foundation of a full consortium.

In FY17, the consortium proposal would:

- Allow NMSU to work to obtain sufficient financial commitment from other institutions and the National Science Foundation to allow full operations to commence in fall 2017
- Allow NMSU to obtain sufficient partners (5) to ensure there is a broad interest from the solar physics community
- Hire sufficient personnel (3) to allow for knowledge transfer and development of plans for full-time operation of the site.
Center of Autism Research, Testing, Training, Treatment Excellence
NMSU-CART3

NMSU-CART3: Helping Autistic Children and Families of Southern NM

Children who have autism spectrum disorder (ASD) in southern New Mexico are being left behind because currently there are no resources to provide the educational and medical diagnosis of autism in southern New Mexico. Children and their families must travel to Albuquerque for diagnosis or services, and due to a large backlog of cases, the wait time to receive the diagnosis is one year or longer. In the meantime, precious time is lost that could be used for early intervention, which has been shown to lead to the best possible outcomes in the long term. While they wait, children with autism and their families are being left further behind.

The Center of Autism Research, Testing, Training, Treatment Excellence (CART3) at NMSU would address the significant and unmet needs related to autism in southern New Mexico. From 2000-2013 the number of children in NM and ASD rose from 231 to 1,980, with nearly 300 children in las Cruces Public Schools alone.

CART3 will allow the timely diagnosis to be made by the age of three thus avoiding devastating consequences for children in their future development.

Purpose of an Autism Center of Excellence (CART3 )

- Provide timely diagnosis and treatment of autism allowing families to take advantage of early intervention services, decreasing the devastating educational, social and emotional costs of autism
- Provide continuing education outreach to the community (parents, family members, therapists, educators, medical professionals) in the area of autism
- Train students at all levels (undergraduate, graduate, doctoral) in the area of autism

NMSU CART3 Will:

- Be a multidisciplinary autism assessment center of excellence in autism and provide in-depth diagnostic team examinations (a 20-60 hour multi session assessment protocol).

- Increase community outreach initiatives by providing correct and timely information to hundreds of families, educators and professionals

- Serve as a clearinghouse of expertise and practices in autism through continuing education opportunities for community professionals offering weekly lectures and trainings to reach over 500 community professionals yearly.

- Contribute to workforce development in the area of autism through improved recruitment and increased graduation, providing a pipeline to jobs in intervention facilities and universities, among others.

FY16 Actual: New
FY17 Request: $359,000
FY17 Total: $359,000
Why Does New Mexico Need NMSU CART3?
Because Southern New Mexico Does Not Have an Important Resource for Children with Autism and Their Families

The aim of this request is to establish the Center of Autism Research, Testing, Training and Treatment Excellence (CART3) at NMSU to address significant needs related to children with autism in Southern NM. Currently, large numbers of parents, physicians, and educators are uninformed or misinformed regarding the appropriate identification and management of individuals with autism spectrum disorders (ASD). Children and families in southern New Mexico must wait and are left further behind when it comes to ASD diagnosis and services. The state ratio of children with autism is 1 in 64 children, however, it is probable that there are many unreported cases in rural communities of southern New Mexico due to the lack of information, delayed diagnosis’ or missed diagnosis’ of autism as well as limited access to care. The work of CART3 will allow a timely diagnosis to be made by the age of three, thus avoiding devastating consequences for children in their future development and enabling them to seek intervention which has been shown to lead to the best possible outcomes in the long term. The possibility of significant learning and reading disabilities, significant social and behavioral disorders, and long-term negative effects on the ability to adjust to society and to become a contributing member of the workforce can all be addressed and managed to a greater degree through the outreach efforts of a center such as CART3. The outreach initiatives are designed to target the early identification of at-risk children, the provision of appropriate assessments for the diagnosis of ASD with long-term educational plans and the training of New Mexico students from non-traditional underrepresented groups in the area of autism.

Why at NMSU?

NMSU is well-positioned to address this need, and unlike single private organizations in southern NM, it could bring together the team of professionals required to provide the diagnosis of autism. It is not possible for a single agency to dedicate their efforts to the degree needed to organize this significant collaborative and interprofessional team of professionals. The long term commitment to the evaluation of children with autism is well-suited for a university setting where many community constituents can come together for one goal, and where faculty members can focus exclusively on the process and assure its success.

NMSU has developed an online autism certificate program, masters programs and doctoral programs in the area of autism. There are NMSU-Community partnerships with Hearts for Autism and Aprendamos Intervention team, among others. The communication disorders and special education graduate programs have trained students in the area of autism and provided speech therapy and classroom teaching in this area for many years both through the NMSU Speech and Hearing Center and local schools and educational centers. NMSU special education has been the recipient of a large grant (NM-PASS) to train graduate students in the area of autism. The yearly Tri-Unity conference, organized by and held at NMSU, has provided community education in this area. NMSU CART3 is positioned to take a multidimensional focus on autism by integrating families, community, students, researchers and stakeholders to address this challenge and meet both the needs of the individuals with autism and the workforce needs for trained professionals.

NMSU CART3 will support two student employees, two graduate students, one director, once nationally renowned faculty member in the area of autism, and the consulting fees of five team members for the assessment of 25 in the first year.
STEM-E: STEM Outreach, Education, and Entrepreneurship for the Future Workforce of New Mexico

STEM-E incorporates and will expand already successful statewide programs that train students to fill STEM careers, including:

- **Space, Engineering, Math and Aerospace Academy (SEMAA)** has served over 30,000 students from 42 schools statewide in 14 years, through summer camps and after-school programs.
- **Young Women in Computing** has served more than 12,000 students from all over the state, improving engagement of women in computing, entrance in STEM programs (over 65% of summer campers entered STEM degrees), and transforming NMSU into a hub for women in computing.
- **Arrowhead Center’s Innoventure** is focused on developing entrepreneurial skills through teamwork projects and competitions open to K-12 students; over 2,000 students have been engaged to date.

Funding would allow the expansion of STEM programs that already using best practices throughout the state.

**STEM-E: Developing a STEM Workforce and Entrepreneurship Statewide**

STEM-E, Science, Technology, Engineering, Mathematics and Entrepreneurship, is designed to provide engagement and training in STEM to meet state STEM workforce needs, and integrating STEM learning with the development of entrepreneurial skills.

STEM-E will develop a future workforce in New Mexico that is diverse in gender and ethnicity, skilled in the STEM fields with particular emphasis on the more technical and competitive areas (e.g., engineering and computing), and oriented in business skills and entrepreneurial outlook. Increased STEM skills promise future innovation, diversity guarantees growth, ingenuity and innovation, while entrepreneurship drives innovation towards economic development opportunities. STEM-E is unique in that: (1) it builds on decades of research and experiences in STEM training, developed at NMSU and applied statewide; (2) it provides a holistic view of STEM as an integrated set of disciplines; (3) it integrates STEM learning with the development of entrepreneurial skills; (4) it emphasizes broad participation, in terms of gender and ethnicity.

STEM-E will be a NMSU-based program, composed of diversity-targeted K-20 STEM recruitment, coordinated STEM after-school and summer programs, STEM-focused community events, and STEM entrepreneurial student experiences.

STEM-E will increase the number and diversity of students completing STEM degrees and gaining proficiency in STEM, while further encouraging job creation by teaching business and entrepreneurship skills and promoting innovation. Expected outcomes include:

- Engagement of at least 2,000 students statewide, with at least 40% of the students from underrepresented ethnic groups and at least 35% female;
- Development and deployment of at least 5 programs and 15 course modules;
- New STEM entrepreneurship programs, with at least 100 students participating;
- Development of at least 8 community events to promote STEM awareness, literacy, and engagement;
- STEM-E will use several metrics to assess impact, including measurement if participation of students, teachers, faculty, and performance in standardized tests.
Why Does New Mexico Need STEM-E?

The Department of Labor estimates at least 1.4 Million new STEM jobs in the US by 2020 (in the engineering and computing fields alone), with only 61% covered by projected trained workforce. In the last 10 years, New Mexico has demonstrated a fast growth in STEM jobs (14%, the 10th fastest growing state in STEM jobs in the country); 37% growth in STEM jobs in New Mexico by 2022 (over 3,000 new jobs, the bulk in computing and engineering). Our state is constantly recognized for its potential and growth in STEM – Las Cruces was ranked 26th in the country as best city for STEM employment; Albuquerque ranks among the top 50 cities for STEM; Los Alamos is the county with the highest concentration of STEM jobs in the nation. In spite of this, less than 26% of degrees awarded by NMSU and UNM are in STEM – far below national the national average (31%) and distant from what happens in other countries (e.g., in China this percentage is 51%, in Japan 61%). National statistics show a dramatic lack of interest towards STEM, with a skewed participation in terms of gender and ethnicity – only 12% of degrees in the technical areas of STEM are awarded to women, and only 8% of undergraduate STEM degrees are awarded to Hispanic students. Our program meets an urgent need to establish a creative STEM recruitment and training infrastructure, along a pipeline from K-12 to universities and technical schools.

NMSU is uniquely positioned to address the need. NMSU has demonstrated rapid growth and success in STEM training and outreach, through partnerships among higher education, public schools, businesses and the Arrowhead Research Park. Although successful STEM efforts exist at NMSU, many are one-dimensional, tacking the STEM challenge through the lens of a single organization, discipline, or school grade. STEM-E integrates these successful initiatives, challenging educators, researchers, and community stakeholders, to collaborate to address the globality of the STEM challenge and the overarching workforce and innovation needs of New Mexico.

How?

The STEM-E Program will tackle the STEM challenge directly, by increasing the number and diversity of students entering and competing STEM degrees (via outreach and recruiting), reinforcing STEM competence (through more dynamic, integrative, and project-based STEM learning) throughout the complete academic pipeline, and providing STEM graduates with entrepreneurial and business skills to make them uniquely prepared to succeed in the STEM workforce and energize the STEM economic landscape with innovation and creativity. The specific focus on diversity will ensure that the STEM-E program will create cohorts of STEM-trained professionals that are inclusive and ready to change the face of the STEM workforce. This will improve gender equity and enhance the presence of STEM professionals who are Hispanic, Native American and members of other underrepresented groups.

The funds requested will enable the following categories of activities:

- **Pathways** – focused recruitment of students into STEM activities at all stages of the K-16 academic pipeline, connected communities of learners and transition programs to sustain STEM interest as students move across grades.
- **Educational interventions** – to promote STEM mastery skills, through formal and informal learning programs (e.g., project-based after school programs, summer intensives).
- **Social capital** – fostering a group identity and creating dedicated social, familial and community networks of support
- **STEM Entrepreneurship skill** – through internships (e.g., Arrowhead), innovation bootcamps, competitions, and presentations by leading innovators.
- **The statewide expansion** of successful programs and best practices such as the Space, Engineering, Math and Aerospace Academy (SEMAA), and Young Women in Computing (YWiC).
NM Water Resources Research Institute (WRRI)

NM WRRI is Solving NM Water Problems Through Collaboration with universities, Agencies and Stakeholders Statewide

FY16 Actual: $619,300*
FY17 Request: $400,000
FY17 Total: $1,019,300
*Also received $500,000 in non-recurring funds

NM WRRI: Solving Water Problems for New Mexico

The New Mexico Water Resources Research Institute’s (WRRI’S) mission is to advance and disseminate knowledge that solves water resource issues in New Mexico and the nation. NM WRRI partners with state research universities to tap into the state’s brainpower to make advances in critical areas of water-related research.

**NM WRRI’s Purpose is to Provide the Best Training and Research to Water Users to Better Manage Water**

- Provide research and training to water users throughout the state
- Help communities and local, state, and federal water agencies to better plan and manage their water
- Train students who are New Mexico’s future water professionals and who will lead NM’s workforce including assistantships for graduate students statewide, and support for faculty to guide graduate students at NM universities in water-related fields.

**Why Does New Mexico need Water Research?**

NM WRRI was established under the federal Water Resources Research Act, and the NM legislature gave the institute statutory authority in 2005 (NMSA 1978 21-8-40). Due to the need for its research and training related to water scarcity and other critical water issues in New Mexico, NM WRRI has received Research and Public Service Project general fund support for 46 years. The need for the research and training continues as communities continue to grapple with water scarcity. IN FY15, NMWRRI received one time funding of $1 million as part of the Governor’s water initiative and with the support of the New Mexico legislature.

NM WRRI is developing powerful tools including a statewide water assessment of all water in New Mexico that goes beyond existing water accounting information.

**Anticipated 2016 Disbursement of WRRI Funding in NM:**

<table>
<thead>
<tr>
<th>Institution</th>
<th>Amount</th>
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<tbody>
<tr>
<td>NMSU</td>
<td>$300,000</td>
</tr>
<tr>
<td>UNM</td>
<td>$114,000</td>
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<tr>
<td>NM Tech</td>
<td>$142,234</td>
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What has NM WRRI recently done for New Mexico?

With funding provided by the New Mexico Legislature in 2015, the WRRI began development of the most powerful new tools to account for existing water in NM. A comprehensive water budget, a component of this initiative, will be an essential tool for water resource management and planning.

An early version of the New Mexico Dynamic Statewide Water Budget (NMDSWB) model is available on the NM WRRI website: nmwrri.nmsu.edu and click on Statewide Water Assessment.

Recent efforts by faculty and student funded by WRRI research grants resulted in:
- enhanced watershed management by developing a low-cost modeling technique
- recommended policy options for a sustainable dairy industry in New Mexico
- determined decline in groundwater levels in the areas south of Hatch
- provided EBID with data critical for alerting downstream residents during flood events
- informed City of Las Vegas of the antibiotic resistance increase in bacteria on the Gallinas River
- “forests to faucets” project informed HB 38 legislation in 2015 on watershed restoration
- designed a low-cost photocatalytic reactor for removal of organic pollutants using solar energy
- research on relationships between acequia communities and water management policy makers contributed to the organizing efforts of the NM Acequia Association

Expansion funding will:
- Operationalize critical work begun with FY15 & FY16 non-recurring funding to develop a Statewide Water Assessment that complements the existing state’s tabulations every five years of water use attached to water rights.
- Help small communities mitigate water scarcity by identifying new water sources (as in Hatch)
- Add value to NM’s water by using research to identify more water efficient crops, higher value crops, and higher yield crops that will assist individual farmers while also supporting the state’s economy
- Support development of new technologies to tap into the underutilized brackish and produced water resources of NM to provide water for new growth (as in Santa Teresa), and water for long-time communities (as in southeastern NM where fossil aquifers are stressed)
Challenge

Economic development requires affordable and reliable electric service and New Mexicans are interested in green energy.

The integration of large amounts of solar, for example, is problematic. It must be backed up by other generators on a cloudy day. This increases the cost and decreases reliability.

Novel technology development, public policy and workforce development are needed to properly integrate renewables to a significant level.

Strategies

Electric energy storage such as batteries, control of electricity usage with smart thermostats, and the coordinated use of such resources through microgrid and smartgrid technologies can deliver the promise of renewables.

The RPSP will provide base funding for the Southwest Technology Development Institute (SWTDI) to address these critical challenges.

- Cutting-edge research for technologies to grow renewables in an economical and safe manner
- Independent evaluation of renewable technologies for industry and government
- Commercializing promising technologies and solutions and implementation in industry
- Providing advanced education and on-campus employment for student success

Impact

- Development and implementation of technology toward economical and resilient utility systems
- Well trained workforce for renewable and electric energy jobs
- New technology for commercialization and economic development
New Mexico’s economic development requires affordable and reliable electric service and New Mexicans are interested in green energy. New Mexico has the renewable resources and in fact has reasonable rates and reliability. However the integration of large amounts of solar, for example, is problematic.

As the renewable segment grows less and less energy comes from conventional plant. However unless demand peaks decrease the conventional fleet must be maintained as idle capacity, increasing energy costs. In fact solar must be backed up by additional generators on a cloudy day in order to maintain reliability. Energy storage in batteries and controlling demand can mitigate some problems. The collective use of such technologies, linked by communication and control, is called a Microgrid, and can provide improved electric service.

This RPSP will provide base funding for the Southwest Technology Development Institute (SWTDI) to address these critical challenges in order to improve electric supply cost and reliability while integrating renewable energy.

PURPOSE OF PROGRAM

SWTDI is well-known for its contributions to long-term evaluation and improvement of renewables related technology such as Solar Panels, Inverters and safety-related codes and standards. NMSU’s Electrical and Computer Engineering and Computer Science departments collaborate on fundamental research related to managing grids with significant renewables, storage and demand management. As an example, the goal of our NSF CREST center is to show how we can manage building load, solar, batteries and conventional generation in a way to reduce overall operating cost. The electric utility now becomes an ‘enabler’ that allows renewable rich, cost effective, reliable and resilient electric energy!

SWTDI serves as the testbed for this research and can provide a pathway to demonstrate research findings and from there to commercialize and deliver technologies to the electric utility industry. In this way, SWTDI will serve as a conduit for improved grid operation and economic development.

PURPOSE OF REQUEST/JUSTIFICATION

Current and future funding continues to be project specific. Base funding is requested to support broad technology development and validation at SWTDI. Such funding, in collaboration with industry, would accelerate practical technology to market while, at the same time, provide a rich environment for workforce training. It is expected that base funding would leverage the industry investment needed to effect technology adoption leading to savings in energy costs and improved reliability. Both the products and the improvements in grid operation contribute to economic development.

SUMMARY OF EXPECTED OUTCOMES/ACCOMPLISHMENTS

- SWTDI will pursue programs that lead to prototype development, evaluation, and commercialization for grid modernization, directly contributing to cost savings and economic development.
- SWTDI will continue to be a ‘go-to’ place for federal programs and industry for independent evaluation of renewable related technology and advanced workforce development
- Promising technology, systems and solutions will be commercialized and delivered to industry to effect cost savings and improved reliability.
The Los Luceros Historic Property is 148 acres in northern New Mexico with great historical and cultural significance, and also economic development potential. The New Mexico Department of Cultural Affairs (DCA) wants to transfer Los Luceros to New Mexico State University. The 2015 legislative session approved a one-time appropriation of $150,000 and $200,000 recurring funding, contingent upon the transfer of property (equipment, land, and structure) from the New Mexico DCA to NMSU.

The College of ACES will seek a partner at NMSU, UNM, DCA and/or private industry to manage and realize the historical potential of the property, which includes four historic structures, one on the registry (a two-story adobe building with unique needs), and two archeological sites.

The Los Luceros Historic Property Program has two major parts: Agricultural and Cultural. The Agricultural vision is to be an economic incubator for small farmers. This includes a local farmer advisory board in all decisions and plans; a training center with small acreages that can be leased to new entrepreneurial growers; and marketing strategies for local foods. The Cultural vision includes managing and realizing the historical potential of the property.

The request for this new RPSP is $250,000 recurring funding and $150,000 one-time funding, which will be used for a feasibility study for the future of the property and the cost of maintaining the historical buildings on the property. The requested RPSP is in addition to the funds appropriated by 2015 legislative session.
Los Luceros Historic Property

The property was purchased by Frank and Anne Cabot in 1999 and they restored the neglected buildings and agriculture, winning the Heritage Preservation Award in 2005. They employed 6 fulltime and 6 partime employees to maintain the property. They sold to the state of NM in 2008 with covenants:

• Protect, preserve and maintain the historic hacienda residence, together with its historic supporting buildings, in perpetuity, for the benefit and enjoyment of the public;
• Protect, preserve and maintain in perpetuity the open irrigated pasture and the scenic and pastoral view shed from the historic hacienda residence south and west to the Rio Grande Bosque and mountains beyond the Bosque;
• Have the financial resources and motivation to maintain in perpetuity the historic buildings and open space for the reasonable enjoyment and benefit of the people of New Mexico and of the United States.

The College of Agricultural, Consumer, and Environmental Sciences has the experience to manage diverse programs (academic programs, Agricultural Experiment Station system, Cooperative Extension Service)

Agricultural and Historic/Cultural Needs at Los Luceros include:

• Prepare a feasibility study for the future of the property, including: maintaining and repairing historic adobe structures; maintaining and repairing new buildings/structures; opening a museum, making property available for events and/or public
• Based on a 2014 assessment, remove existing trees (1100 trees on 20.4 acres), leaving healthier trees for landscape potential
• Work with acequia association, install drip/microsprinklers on appropriate acreage, improve ditches, pipes, and field elevations to make existing fields more sustainable
• Repair/upgrade equipment and storage areas
NM State Athletics

- In 2014-2015, student-athletes achieved a 76% graduation success rate (well above national graduation rates)
- Student-athletes completed 6,530 hours of community service
- Spring 2014 academic semester resulted in all 17 sport teams with a cumulative GPA of 3.1825.
- For the 18th consecutive semester, scholar-athlete representation (those with a semester and cumulative GPA of 3.0 or higher) exceeded 50% of the student-athlete population
- 60% or 240 student-athletes achieved a 3.0+ term GPA
- 63% or 241 student-athletes maintained a 3.0+ cumulative GPA
- 27 student-athletes posted a perfect 4.0 semester GPA
- Student-athletes earned 5,388 credits for the spring semester for an average of 14 credit hours per student-athlete.

**Cost of Attendance**

Beginning in the Fall of 2015, the NCAA allowed schools to provide money to student-athletes, in addition to scholarships to cover tuition, room, board, and books, known as “cost of attendance.” Schools around the country and the region are providing additional money, greatly improving their ability to recruit the best students, including those from New Mexico. If NM State is unable to provide the additional money not only will it impact regional recruiting it will also have a direct impact on recruiting in New Mexico. A student athlete at NM State on full scholarship receives $15,731 to cover the cost of tuition, room, board, and books. If NM State provided a scholarship that covered the full cost of attendance a student would be eligible to receive an additional $4,046 to cover supplies, transportation and other expenses.
NM State Student Athletes

NM State is committed to recruiting and providing scholarships to the talented residents of the State of New Mexico and have established successful athletic programs utilizing student-athletes from New Mexico. For example, Kayli Farmer, who throws the javelin, from Aztec, NM, was recruited by NM State and offered a scholarship to join the women’s track team. Kayli excelled in her freshman year and because of her efforts at NM State she had the opportunity to compete at the USA Track and Field Junior Outdoor Championships. Since Kayli was a member of the NM State track and field team she proudly wore a uniform promoting the State of New Mexico and NM State. Kayli earned second place at the USA Track and Field Junior Outdoor Championships and earned a spot on the USA Pan American Junior Team. Without the ability to provide cost of attendance and recruit the top student-athletes in New Mexico, student-athletes like Kayli will leave the state and will represent other universities and states at these top national and international events.

In addition to recruiting student-athletes from the State of New Mexico, NM State also recruits student-athletes from the region. These student-athletes are provided hands-on and on the field experience and are workforce ready when they leave NM State, providing capable employees within the state. Many of these student-athletes obtain high level employment in the State of New Mexico and become contributing New Mexico residents.

- Former NM State baseball student-athlete Byron Hollister from California is now the owner of Hacienda Carpet and Tile in Las Cruces and a former Deputy US Marshall in Southern New Mexico
- Former NM State football student-athlete Jamar Cotton from New Jersey is now a Deputy in the Dona Ana County Sheriff Department
- Former NM State baseball student-athlete Dave Baland from California is now Senior Vice President at Merrill Lynch in Albuquerque
- Former NM State baseball student-athlete Mike Tourtillott from Kansas is now General Manager at Sisbarro Autoworld in Deming

These are just a few examples of the many former out-of-state student-athletes that were recruited to NM State as a student-athlete and have become contributing New Mexico residents.

### SUMMARY OF EXPECTED OUTCOMES/ACCOMPLISHMENTS

<table>
<thead>
<tr>
<th>Performance Measure</th>
<th>Target FY17</th>
<th>Summary of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention Rate</td>
<td>930 minimum</td>
<td>The team that did not meet the target ended up with a 928 and is expected to increase their retention rate FY16.</td>
</tr>
<tr>
<td>Graduation rate</td>
<td>Achieve or exceed 55% six year graduation rate</td>
<td>The graduation success rate was 76% exceeding the target.</td>
</tr>
<tr>
<td>Student Diversity</td>
<td>50% + diverse students</td>
<td>The student-athlete diversity was 61% exceeding the target.</td>
</tr>
<tr>
<td>International Students</td>
<td>6% + international students</td>
<td>The percent of international student-athletes was 11% exceeding the target.</td>
</tr>
<tr>
<td>Community Engagement</td>
<td>6,000 hours</td>
<td>Student-athletes completed 6,530 of community service exceeding the target</td>
</tr>
<tr>
<td>Successful sports teams to finish within the top 3rd of the conference</td>
<td>10 teams</td>
<td>10 teams finished in the top 3rd of the conference.</td>
</tr>
<tr>
<td>Ranking</td>
<td>1st in WAC Commissioner's cup</td>
<td>NMSU was finished in 1st place in the WAC Commissioner's Cup.</td>
</tr>
<tr>
<td>Achieve NCAA academic recognition</td>
<td>2 teams</td>
<td>Women’s Tennis was recognized as a top performer and additional teams almost met the criteria.</td>
</tr>
</tbody>
</table>
STAFF MARKET EQUITY INSPECTION STAFF (EXPANSION):

- Request is to create an equitable plan for the recruitment and retention of NMDA Inspection Staff.
- NMDA is finding it difficult to recruit and retain qualified staff under its current pay structure.
- The request of $166,725 would allow NMDA to move entry-level salary from $31,000 to $36,000 per year and subsequently move salaries for Intermediate, Senior and Supervisor Inspectors in addition to establishing opportunity for advancement and retention.

NMDA ORGANIC CERTIFICATION PROGRAM:

- The New Mexico Department of Agriculture Organic Program provides USDA/NOP-accredited organic certification for farmers, ranchers, and processors/handlers throughout New Mexico.
- The program is operating in deficit and is requesting a $125,000 appropriation to sustain the program.
- Any fee increase would likely drive the top 8 NMDA certified producers to seek alternative certification programs.
- The top 8 producers contribute 55% of the fees for the Organic Certification Program.
- The remaining 134 small producers will be left to carry the burden of the operating expenses.
- Increasing the fees to 1% of gross sales on the small producers is projected to leave the program with an operating deficit of $130,000.

FY17 Expansion Request

<table>
<thead>
<tr>
<th>FY16</th>
<th>FY17 Request</th>
<th>FY17 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>$11,939,900</td>
<td>$561,600</td>
<td>$12,501,500</td>
</tr>
</tbody>
</table>

CERTIFIED ORGANIC
by the
New Mexico Department of Agriculture

USDA ORGANIC
STAFF MARKET EQUITY VETERINARY DIAGNOSTIC SERVICES (VDS) (EXPANSION):

- Request is to create an equitable plan for the retention of 9 NMDA scientific exempt level positions who process an average weekly case count of 635.
- VDS responsibilities include livestock and companion animal health safety.
- VDS works directly with NM Department of Health and New Mexico Livestock Board on animal issues & zoonotic diseases.
- On average salaries are 13.91% below market and comparable laboratories in Texas, Colorado, Arizona and Kansas.
- The request of $94,873 would bring staff salaries to averages of peer laboratories.

TASTE AND GROWN WITH TRADITION MARKETING CAMPAIGN:

- The initiative is to grow New Mexico agribusiness by expanding and enhancing the NEW MEXICO –Taste the Tradition (TTT) and Grown with Tradition (GWT) marketing programs.
- There are two components to this request;
  - (1) increase TTT and GWT promotions and events held at state and national levels, including food trailer promotions, pavilions, tradeshows, and green/red chile trainings; and
  - (2) expand the TTT and GWT advertising campaign to include advertising in billboards; local, regional, and national publications; television; radio; social media; and athletic promotions.
- Total request is for $175,000.
New Mexico Cooperative Extension Service

FY17 REQUEST

<table>
<thead>
<tr>
<th>FY16 Current Base</th>
<th>$13,612,600</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY17 Expansion Request</td>
<td>$377,000</td>
</tr>
<tr>
<td>FY17 Requested Appropriation</td>
<td>$13,989,600</td>
</tr>
</tbody>
</table>

BACKGROUND

The Cooperative Extension Service (CES) is the non-formal, educational component of New Mexico State University, the state’s land-grant university. Our mission is to provide the citizens of New Mexico with practical, research-based knowledge and programs that improve their quality of life. CES represents a unique federal, state and county partnership enabled by the Smith-Lever Act of 1914 and constitutionally mandated in New Mexico in 1915.

With offices in every county and many tribal areas, CES faculty work to address the issues important to each community. More than one-third of New Mexico’s residents benefit annually from our educational programs. Extension’s wide-ranging programs include economic and community development, human nutrition, agriculture, environmental stewardship, and family/child development. CES also addresses emerging issues such as homeland security, financial mediation, public official training, workforce readiness and current health topics.

CES faculty members work with partner agencies, organizations and schools; they rely on local volunteers to help deliver programs. More than 11,500 residents serve annually as CES volunteers. The multiplier effect of this collaborative approach means tremendous returns for a modest public investment.

CONTACT

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EXPANSION DOLLARS WILL BE USED

To increase operations for faculty in the field and support the New Mexico Agricultural Leadership Program

PROPOSED ENHANCEMENT JUSTIFICATION

Extension throughout New Mexico utilizes one on one contact, workshops, printed bulletins and newsletters and home visits to provide researched based information and programs. Unavoidable cost increases continue to consume operations budgets. In recent years, petroleum-based product costs have increased sharply. Further, paper goods, printing and postage have also increased significantly.

Presently, Cooperative Extension Faculty is operating with the same funds as in 1999. This has forced a reduction in travel cutting the number of field and home visits, reduced frequencies of newsletters preventing timely sharing of information and prevented distribution of bulletins and other research reports. The increase proposed, amounts to a little over a fifteen dollars per day for each of our field offices. One visit or workshop provided to clientele that saves a crop or solves a landscape problem, improves the health of the family or provides a positive youth activity may save a life or entire livelihood.

The New Mexico Agricultural Leadership (NMAL) program was founded in 2001 with the purpose of identifying and supporting effective leadership within the food, agriculture and natural resource industries of New Mexico. Over 80 participants have graduated from the program across the state. Funding for the NMAL program has decreased by 50% since 2009. The long-term sustainability of this program requires additional funding to support the NMAL program coordinator, support staff, and operations.

ANNUAL COOPERATIVE EXTENSION SYSTEM IMPACTS

- Cooperative Extension Service offices address more than 35,000 calls and over 33,000 walk-in requests yearly. Statewide contacts are equal to approximately 1/3 of the State’s population
- Statewide, 46,711 New Mexico youth (1 in 9) receive enhanced curriculum through 4-H School Enrichment programs conducted during school hours in cooperation with public and private schools. Over 12,300 youth (1 in 35) are involved in Science, Engineering and Technology programs with New Mexico 4-H. Approximately 30,000 New Mexico youth (1 in 14) are involved in 4-H programming related to healthy living and financial competency. Youth involved in 4-H are 2 times more likely to make healthy choices related to nutrition, fitness and risky.
- 64,000 youth annually develop life skills through 4-H programs.
- 16,000 low-income adults and youth annually learn how to make healthy food choices through Ideas for Cooking and Nutrition (ICAN).
- Natural resource programs are helping to monitor drought conditions, teach wise water use and alternative energy technology.
NEW MEXICO AGRICULTURAL EXPERIMENT STATION

FY17 BUDGET REQUEST
FY16 Appropriation: $14,925,500
FY17 Expansion Request: $375,000
FY17 Requested Appropriation: $15,300,500

BACKGROUND
The Agricultural Experiment Station (AES) is a system of research faculty and staff from the College of Agricultural, Consumer, and Environmental Sciences at NMSU based in Las Cruces or at one of our 12 off-campus agricultural science centers. State, federal, and private funding is used to conduct research on topics that have a direct benefit to the citizens of New Mexico.

The AES strives to find answers needed by New Mexicans, whether commercial growers, urban gardeners, city planners, ranchers, or homeowners with the following goals:

- Improve agricultural competitiveness and food security
- Improve our understanding of food safety issues and support research on food technology
- Research the complex issues facing New Mexico families
- Explore improvements to the sustainable management of natural resources

Since the first 23 acres of land was purchased for the AES in 1906, the AES system has grown in response to the agricultural needs of New Mexico. The AES system now accounts for 94,884 acres of land specifically designated to studying farming, ranching, and forestry. Each Agricultural Science Center addresses the unique needs and voices of the diverse regions of New Mexico they are rooted in.

IMPACTS OF OUR AGRICULTURAL EXPERIMENT STATION SYSTEM

- Economic impacts of research are substantial over the long term. Research started today may not be adopted for years; however, future economic returns could be substantial as is evident in some of the following examples.
- The Birth of the Commercial Chile Industry. In 1913, Fabian Garcia released the chile pod type known as New Mexico #9. All long green chile grown today derives from that original cultivar.
- Expansion of the New Mexico Onion Industry. NM AES’s breeding program continues to develop onion cultivars adapted to growing conditions in New Mexico. Our program allows NM growers to be competitive with other onion markets in the US. In fact, NM provides up to 80% of the nation’s fresh market onions in the months of June and July.
- Impact on the Cotton Industry. More than 40% of U.S. cotton cultivars developed from 1950 to 1990 contained New Mexico cotton germplasm, mainly from the Acala 1517 varieties.
- Development of Turf Grass Varieties. In 1987 NM AES bred and released NuMex Sahara, one of the first improved, seed-propagated Bermuda grass varieties, opening the door for the development of more than two dozen seeded Bermuda varieties including NMSU’s Princess 77 that has been featured on the fields of several Super Bowls.
- Developing the SW Pecan Industry. The NM AES planted the first pecans in the southwestern United States. Some of these original century-old trees are still growing at the Fabian Garcia Research Center. New Mexico now produces approximately 20% of the U.S. pecan crop each year, with more than 35,000 acres in production supported by the largest AES research pecan acreage in the arid southwest.
- Development of the Navajo Agricultural Products Industry. The NM AES was instrumental in establishing and supporting the Navajo Agricultural Products Industry (NAPI). NAPI now injects about $30 million into the Four Corners regional economic base, growing alfalfa, corn, pinto beans, potatoes, and various grains.
- Support for the livestock and dairy industries, including nutrition, range management, and genetics to aid in the development of animals that can be economically successful in the desert southwest.
BUDGET EXPANSION JUSTIFICATION

- Graduate student research is central to the AES mission, providing the means to quickly address problems faced by NM citizens.
- Graduate students will initiate research throughout NM using resources found at one of our 12 Agricultural Science Centers or with other cooperators (federal, state, or private).
- The AES has a successful competitive graduate student award program. In FY15 the AES was able to fund 11 out of 51 quality proposals for new graduate students. Most of the 40 unfunded proposals addressed critical needs of NMs served by the AES.
- Enhanced funding will allow recruitment of new NMSU graduate students per year.
- The return on investment in terms of services to the state and economic returns to many of the diverse regions of the state served by our off-campus ASCs could be significant with increased support for graduate student education.

CONTACTS

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FUTURE PROGRAMS IN THE AGRICULTURAL EXPERIMENT STATION

- Researchers in the AES system continue to pursue their original mission of improving agricultural practice and production. They have also widened their scope. As community needs in New Mexico have changed, the stations have anticipated that change, as well as responding to new voices and concerns. Sustainability, community engagement, and scientific research will continue to be the basis of the AES system.
- Water is the most important limiting resource for New Mexico. Critical research will continue on water management to provide the necessary options to meet water demands as urbanization and industrialization increase. Good water quality and availability are critical for all agricultural and nonagricultural uses. A new agronomist was hired at the Tucumcari ASC to help develop limited irrigation options for NM growers.
- Foster technological innovation and technology transfer to enhance competitiveness and security of New Mexico agriculture while maintaining the natural resource base. Security is more than the prevention of pests; it aids producers whose livelihoods are threatened by disaster, and helping producers cope with changing markets and environmental conditions.
- Large scale E. coli, listeria, and salmonella outbreaks continue to make headlines. Agricultural Experiment Station scientists are working to develop and transfer new technologies and techniques to producers and consumers to ensure that our food is safe.
- Research the complex issues facing New Mexico families including the impacts of progressive urbanization, the increasing percentage of multiple-income families, and an increasingly multicultural society, ultimately working to improve the quality of life for New Mexicans.
- Research on conserving, protecting, and improving New Mexico’s natural resources including managing forest and rangeland for wildlife, tracking the range and habitat of wildlife such as elk and monitoring the human and environmental impacts when urban areas and wildlands meet.
- NM aquaculture research has led to a public/private partnership to further the commercialization of shrimp production. A production facility is currently under construction.
<table>
<thead>
<tr>
<th>Campus/NMSU Priority</th>
<th>NMSU Request</th>
<th>Recommendations</th>
<th>Legislative Finance Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NMSU-LAS CRUCES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Williams Hall Renovations &amp; Additions</td>
<td>$25,000,000</td>
<td>$22,500,000</td>
<td>TBD</td>
</tr>
<tr>
<td>2 Infrastructure Upgrades &amp; Replacements</td>
<td>$8,200,000</td>
<td>No Rec</td>
<td>TBD</td>
</tr>
<tr>
<td>3 Information Technology Infrastructure Upgrades</td>
<td>$3,079,000</td>
<td>No Rec</td>
<td>TBD</td>
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<tr>
<td><strong>NMSU-ALAMOGORDO</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 NMSU Alamogordo, Advanced Technology Education Center Phase II</td>
<td>$5,000,000</td>
<td>No Rec</td>
<td>TBD</td>
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<tr>
<td>2 NMSU Alamogordo, North Section of ProTech Roof and PPD Roof Replacement</td>
<td>$1,000,000</td>
<td>$1,000,000</td>
<td>TBD</td>
</tr>
<tr>
<td><strong>NMSU-CARLSBAD</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Install Fire Suppression System, Main Building</td>
<td>$1,100,000</td>
<td>$1,100,000</td>
<td>TBD</td>
</tr>
<tr>
<td>2 Renovations in the Main Building, include Boiler Upgrades</td>
<td>$1,223,466</td>
<td>No Rec</td>
<td>TBD</td>
</tr>
<tr>
<td><strong>NMSU-DACC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Classroom Remodels and Roof Replacement</td>
<td>$1,600,000</td>
<td>$1,600,000</td>
<td>TBD</td>
</tr>
<tr>
<td>2 Information Technology Infrastructure Upgrades &amp; Replacement</td>
<td>$450,000</td>
<td>No Rec</td>
<td>TBD</td>
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<tr>
<td><strong>NMSU-GRANTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Site and Infrastructure Improvements</td>
<td>$2,000,000</td>
<td>$1,500,000</td>
<td>TBD</td>
</tr>
<tr>
<td>2 Classroom Building Renovations</td>
<td>$1,000,000</td>
<td>No Rec</td>
<td>TBD</td>
</tr>
<tr>
<td><strong>EDUCATIONAL TELEVISION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Statewide requests for KRWG, KUNM, KENW for renovation, replacement and equipment ($750,000 each - Total $2.25 million)</td>
<td>$750,000</td>
<td>No Rec</td>
<td>TBD</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$50,402,466</td>
<td>$27,700,000</td>
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</tr>
</tbody>
</table>

Note: HED did not assign priorities to funding recommendations as they have done in prior years.
## CAPITAL OUTLAY REQUESTS

<table>
<thead>
<tr>
<th>Institution</th>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NMSU-LC</strong></td>
<td>Williams Hall Renovations &amp; Additions</td>
<td>$25,000,000</td>
</tr>
<tr>
<td><strong>NMSU-LC</strong></td>
<td>Infrastructure Upgrades &amp; Improvements</td>
<td>$8,200,000</td>
</tr>
<tr>
<td><strong>NMSU-LC</strong></td>
<td>IT Upgrades</td>
<td>$3,079,000</td>
</tr>
<tr>
<td><strong>NMSU-Alamogordo</strong></td>
<td>Advanced Technology Education Center Phase 2</td>
<td>$5,000,000</td>
</tr>
<tr>
<td><strong>NMSU-Alamogordo</strong></td>
<td>Re-roofing of Two Campus Buildings</td>
<td>$1,000,000</td>
</tr>
<tr>
<td><strong>NMSU-Carlsbad</strong></td>
<td>Fire Suppression Access &amp; Life Safety Improvements</td>
<td>$1,100,000</td>
</tr>
<tr>
<td><strong>NMSU-Carlsbad</strong></td>
<td>Main Building Renovations (including Boiler)</td>
<td>$1,223,466</td>
</tr>
<tr>
<td><strong>NMSU-DACC</strong></td>
<td>Classroom Remodels &amp; Roof Replacement</td>
<td>$1,600,000</td>
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<tr>
<td><strong>NMSU-DACC</strong></td>
<td>IT Infrastructure Upgrades &amp; Replacement</td>
<td>$450,000</td>
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<tr>
<td><strong>NMSU-Grants</strong></td>
<td>Infrastructure Improvements</td>
<td>$2,000,000</td>
</tr>
<tr>
<td><strong>NMSU-Grants</strong></td>
<td>Classroom Building Renovations</td>
<td>$1,000,000</td>
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<tr>
<td><strong>Educational TV</strong></td>
<td>Statewide –KRWG, KUNM, KENW</td>
<td>$2,250,000 (750K each)</td>
</tr>
</tbody>
</table>
D.W. Williams Hall
New Mexico State University

NMSU Request: $25,000,000
NMSU-Las Cruces Priority: 1
HED Recommendation: $22,500,000
LFC Recommendation: TBD
HED Priority: TBD
Language for appropriation: $25,000,000 to plan, design, construct, renovate, furnish, equip renovations and additions to Dan W. Williams Hall and Williams Annex at New Mexico State University-Las Cruces

NMSU is requesting $25 million for the renovation and construction of DW Williams Hall and Annex on the NMSU Las Cruces campus. This is in addition to the $801,568 in private donations that have been raised for the building to date. Contributors believe that the renovation of Williams Hall will have a significant long-term economic and cultural impact on students and faculty at NMSU, as well as the larger community of Las Cruces and Southern New Mexico.

Williams Hall is one of the oldest buildings on the NMSU campus, built in 1938 as a gymnasium where Lou Henson started his basketball coaching career. The original 27,000 square foot building served as a venue for athletic events for almost 35 years until it was repurposed into the Department of Art in 1972 with the addition of a second floor that included classrooms and labs within the existing concrete bleacher structure. A single story annex was constructed in 1984 that added over 11,000 square feet, and a 450 square foot addition was made in 2002 for the art conservation program. The building is also home to the University Art Gallery, which serves both the community and the teaching mission of the University through programming that brings national and international caliber artists to Southern New Mexico. The gallery has a permanent collection of 4,200 art works, and over 1,000 of them create the largest publicly held collection of retablos.
The Department of Art serves approximately 200 undergraduate and graduate students each year, as well as over 1,000 non-art majors. The Department is the seventh largest department by major in the College of Arts and Sciences. Their students focus is on interdisciplinary arts education, with facilities that support education and research in art history, drawing and painting, printmaking, graphic design and media arts, photography, jewelry and metalsmithing, ceramics, sculpture, art conservation and 3D fabrication. NMSU is the only institution of higher education in the state of New Mexico that offers a Masters of Fine Arts focused on ceramics or in jewelry and metalsmithing. NMSU offers a Bachelors of Fine Arts in Museum Conservation, one of only three such programs in the country. This is a unique and truly interdisciplinary degree, which merges intensive research in chemistry and materials science, with the restoration and conservation of art.

The current facility square footage limits class size for safe daily operations and the ventilation for the numerous chemical and technological processes does not meet current building codes. Many areas lack compliant access and wayfinding. The current facility is severely limiting to programmatic improvements, inherent with retrofitting a gymnasium into an art gallery and art department over forty years ago.

The Facilities Condition Index (FCI) is an industry standard numerical expression of the physical needs of a facility and is the ratio of the cost of remedying facilities deficiencies to the current replacement value. A new building with no deficiencies would thus have a FCI of “0”, while a building where all component systems were past their useful life would have an index of “100%”. A value greater than 50% indicates a facility that is a candidate for comprehensive modernization and that the economics of demolition and replacement should be considered. Dan W. Williams Hall has a FCI of 77.23%, which is among the highest of all NMSU Las Cruces buildings.

Through the diligent collaboration of the members of the Dan W. Williams Hall Building Committee, the Architect’s team, the Department of Art representatives, and the staff of Facilities and Services, the design process is well underway with the goal of creating a well thought-out, efficiently programmed, creativity-inspiring building ready to meet the educational needs for the future of the NMSU Department of Art.