



## BUILDING A SUSTAINABLE FUTURE

In today's world we face critical environmental, social, and economic challenges. A prosperous future depends on striking a productive balance between economic concerns and the preservation of natural resources.

Northern Arizona University recognizes the keys to achieving this balance are education and research with practical applications to our everyday lives. NAU has established strong environmental programs throughout its curriculum with twenty undergraduate and graduate programs in the study of the environment. As part of its commitment to a sustainable future, NAU proposes to expand partnerships with corporate, governmental, and community associates to develop real solutions that will protect the environment and foster economic progress. The culmination of these partnerships will serve as a nexus for environmental research on campus—The Applied Research and Development Facility.

The Applied Research and Development Facility at NAU brings diverse groups together for research, study, and application of sustainable technologies. The cutting-edge facility will not only use sustainable technologies to minimize resource consumption but to offer hands-on learning experiences for tomorrow's leaders.



## THE APPLIED RESEARCH AND DEVELOPMENT FACILITY

The 100,000-square-foot Applied Research and Development Facility will showcase sustainable and “green building” technologies and incorporate special features to promote environmental education, applied research, and community outreach, including:

- **Flexible Research Space** that can be reconfigured to meet the changing needs of students and researchers.
- **The Northern Arizona Technology and Business Incubator** that provides services and expertise to accelerate the

growth of start-up companies with an emphasis on renewable energy, biotechnology, and software industries in northern Arizona.

- **A Learning Laboratory** highlighting “green building” technologies and NAU's environmental research for students, users, and visitors.
- **An Environmental Outreach Center** that will promote environmental values and provide flexible meeting spaces for students and visitors.



### The Applied Research and Development Facility will:

- reduce energy consumption by 50 percent compared to a traditional office complex
- provide a portion of its own power through renewable energy sources
- use natural light and ventilation strategies to reduce energy costs and improve indoor air quality
- treat wastewater on site with a biological retention system using natural and recycled materials
- seek a Platinum rating from the United States Green Building Council's LEED™ rating system—the highest level awarded

## UNPARALLELED OPPORTUNITIES

Northern Arizona University is a doctoral-intensive institution enrolling nearly 20,000 students in more than 160 degree programs. NAU's faculty, staff, and students are actively engaged in research supported by more than \$52 million from governmental, industrial, and private organizations.

The Applied Research and Development Facility will provide students unparalleled opportunities to work side by side with researchers from

companies and public agencies while actively participating in the management of the facility.

Students will not only gain working knowledge of sustainable

technologies but will also use the facility as a proving ground for regional and national innovation, experimentation, and technology transfer. These collaborative efforts will improve our relationship between people and the environment and make better use of our limited natural resources.



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## MAKING IT HAPPEN

To date, \$18 million has been committed toward our fund-raising goal. To complete construction of this signature facility, an additional \$7 million is anticipated from private sources. Northern Arizona University and its Foundation have launched a fund-raising campaign among the university's partners, alumni, friends, and foundations to meet this goal. We welcome your support of this innovative facility.



*A view of the San Francisco Peaks from the NAU campus*

# THE APPLIED RESEARCH AND DEVELOPMENT FACILITY

### FOR MORE INFORMATION

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NAU Creative Communications A49723/3M/11-02  
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Printed on recycled paper

