



EASTERN NEW MEXICO UNIVERSITY-RUIDOSO
Branch Community College Board
Special Meeting
August 24, 2017; 3:00 p.m.
Room 102

CALL TO ORDER

1. Declare a quorum
2. Approve the agenda

CLOSED MEETING

1. Discussion of a limited personnel matter - pursuant to Section 10-15-1(H)(2), NMSA (1978)

BUSINESS MATTERS

1. Construction Trades Remodel (Tab 4).....Clayton Alred
2. Wind Technician Program (Tab 4)Clayton Alred

BOARD ANNOUNCEMENTS AND COMMENTS

ENMU Board of Regents Meeting, September 14, 9:30 a.m., Portales
ENMU-Ruidoso Community College Board Meeting, September 21, 2017, 6:00 p.m., Room 102

If you are an individual requiring Americans with Disabilities Act accommodations in order to attend Branch Community College Board Meetings, please contact the office of the President, ENMU-Ruidoso, (575) 257-3006 at least forty-eight hours prior to the meeting.



Date: August 24, 2017
To: ENMU-Ruidoso Branch Community College Board of Directors
From: Dr. Clayton Alred, ENMU-Ruidoso president *Clayton Alred*
Subject: Proposal to plan, design, and renovate instruction space

Summary Statement:

In the 2015 Special Legislative Session, ENMU-Ruidoso was awarded \$600,000 in severance tax bond monies for the purpose of planning, designing and renovating instructional space for trades programs. ASA Architects have prepared plans for the renovation, and the College has obtained a bid from a pre-approved state contractor to create new multi-purpose classrooms and related labs to support the programs being developed through the Title V (DOE) and TAACCCT (DOL) grants. Classic Industries, Inc. has submitted cost estimates to renovate an area in the northwest corner of the main building. The estimated cost of the trades remodel is \$428,300 which includes material, labor, equipment, architectural services and gross receipts tax.

Attached is a blueprint of the area to be remodeled and the proposed space design.

The New Mexico Higher Education Department requires the approval of an institution's governing body before authorizing capital outlay projects. For branch campuses, that includes approval by the Community College Board and the Board of Regents.

Action Request: Recommend to the ENMU Board of Regents approval of the cost proposal to remodel the trades area for \$428,300

Attachment: Blueprint of remodel



Date: August 24, 2017
To: ENMU-Ruidoso Branch Community College Board of Directors
From: Dr. Clayton Alred, ENMU-Ruidoso president *Clayton Alred*
Subject: Initiation of Wind Technology Program

Summary Statement:

In recent months, plans have been finalized and construction begun on multiple wind farms in Lincoln County near Corona and locations just to the north in Torrance County. Clean Line Developers are working on the Mesa Canyons Wind Farm with operations in both counties. Pattern Development Company has plans for two separate projects both of which will be in Lincoln County. Pattern currently operates 18 wind farms, and their most recent project was completed 8 weeks ago at a site near Clovis. To date, over hundreds of construction applications have been filed with Lincoln County to erect turbines, and there will be many more to come. A third wind farm operator, Avangrid, is implementing two installations as part of the El Cabo Wind Farm. They are located in Torrance County not far from Clines Corners. Recently, the New Mexico State Land Office offered 1600 acres located nine miles north of Corona for lease as a potential wind farm site.

Hundreds of jobs will be created in order to operate these facilities.

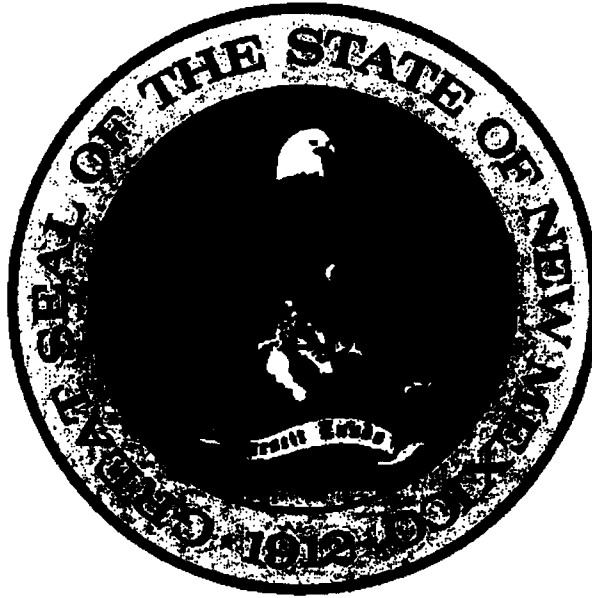
In response to the coming need to supply training for these jobs, ENMU-Ruidoso submitted an application for funding from the New Mexico Rapid Workforce Development Fund and has yet to receive a response on the request.

Considering the growing need to initiate this non-credit training program, consent to use startup funds totaling \$100,000 from institutional reserves is requested.

Action Request: Approve the use of \$100,000 in reserve funds for the development of a wind technician program.

Attachment: RWDF Application from April 13, 2017 meeting

DRAFT



**New Mexico
Rapid Workforce
Development Program**

**Request for Funding FY 2017
Eastern New Mexico University – Ruidoso
To Provide Customized Workforce Development
Training for:
Avangrid Renewables LLC
CleanLine Energy Partners Inc.
Pattern Energy Group Inc.**

DRAFT

Application Date: April 10, 2017

Applicant [HEI] Name: Eastern New Mexico University – Ruidoso

Address: 709 Mechem Drive **City:** Ruidoso **State:** NM **Zip:** 88345

Person Submitting Proposal: Dr. Clayton Alred **Title:** President

Telephone: 575.257.2120 **Cell Phone:** **email:** clayton.alred@enmu.edu

Employers(s)/Industry for whom ENMU-Ruidoso is providing Training:

Wind Energy Industry. Bulk Power Transmission Industry.

- Avangrid Renewables LLC
- CleanLine Energy Partners Inc.
Pattern Energy Group Inc.
- SunZia Southwest Transmission Project [Southwest Power Group]

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1. NM Higher Education Institution Overview [Program Narrative]

In Lincoln County ~ the Wild, Wild West of New Mexico Wind ~ Eastern New Mexico University – Ruidoso [the HEI] and its industry/ agency/ institutional partners propose a wind energy turbine service technician program and a computer/network security technician program [concentration in SCADA] beginning July 1, 2017, ending December 31, 2018. The proposed programs will recruit, select, train and place in employment 175 wind energy technicians and 30 cybersecurity technicians from Lincoln and Otero Counties for employment in at least three wind energy farms located in Lincoln, Guadalupe, Torrance and eastern Socorro Counties, New Mexico. The proposed project targets 296 high school seniors from the seven [7] Region IX Cooperative Education Center school districts and Mescalero High School under the ENMU dual credit program. The adult training program will target under-employed or unemployed adults and other second career adults in the region. Other wind farms in the region [Dunmoor, Valencia Hills, Sagamore, and others] are also being developed adjacent to this region. The proposed ENMU-Ruidoso program will also indirectly serve these facilities.

Significant industry support exists for the proposed training project. Permitting has been completed and construction is now underway on two bulk transmission projects originating in northern Lincoln County: the SunZia Southwest 3,000 MW Transmission Project [Southwest Power Group] and the Western Spirit CleanLine 1,000 MW Transmission Project [CleanLine Energy Group/NMRETA]. Both projects will move bulk electrical power generated primarily in Lincoln County, to the southern Arizona [SunZia] and California [Western Spirit] markets. The projects will be served by Pattern Energy Group Wind Energy projects [700 towers] and the Mesa Canyon LLC Wind Farm project [435 towers in 2 phases]. Additionally, the Avangrid Renewables LLC El Cabo Wind Energy Farm project [3 phases] is just to the north of this area, between Clines Corners and Encino. The ENMU-Ruidoso consortium project proposes to train turbine technicians for all three wind energy projects and SCADA technicians for these and other New Mexico wind, solar and other types of energy generation facilities.

ENMU-Ruidoso and its collaborating partners are well-equipped to serve the industry in this region. ENMU will use existing staff and institutional partnerships to deliver the technical curriculum. ENMU/its partners also have the technology in place across the entire the region to electronically deliver portions of the hybrid on-line, hands-on curriculum including high speed broadband fiber optics to remote rural sites. An energy industry Technical Advisory Committee of Dr. Robert Rhodes [retired NMJC Vice President of Training/Outreach], Dr. James Miller [southcentral New Mexico energy project developer] and industry representatives is working on the proposed project. ENMU already provides on-line Cybersecurity training across New Mexico including Lincoln County and Mescalero. It currently has, for example, 18 Mescalero High School students enrolled in an AA Cybersecurity training program. Resources are in-place to expand those offerings, more specifically tailored to the wind energy industry across the region and meeting national FERC and NERC standards. A new Advisory committee from industry, academia, and government will be established to vet and endorse the SCADA program.

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II. Training Project Overview

Training outline (Units and Hours):

Wind Energy Technician: 6 units, 48 hours per unit, total of 288 hours.

Cybersecurity [SCADA] 6 units, 96 hours per unit, total of 576 hours.

Training Delivery: hybrid classes – live/hands-on, on-line, televised [wind]; on-line [SCADA]

Length of Training Program: two semesters, 32 weeks

Number of Training Classes: 6 classes [wind energy]; 6 classes [cybersecurity]

Number of Students per Class: 20 [wind energy]; 15 [cybersecurity]

Number of Training Hours per class: 48 (wind); 96 (cybersecurity)

Narrative: The wind energy training will be program offered as dual credit, or, with a credit option [total of 18 credit hours - 6 classes], or, as non-credit training delivered by ENMU. Training delivery will take place live at several locations in Carrizozo, and Ruidoso, or via a regional interactive television system [see details below], or on-line. The wind energy program will be a hybrid delivery [on-line led by a facilitator plus live, hands-on]. An OJT on-the-job training option will also be offered in August 2018 in conjunction with the Eastern Area Workforce Solutions. The Mesalands Community College Wind Turbine facility will be used for Tower training per institutional MOU. An overview [including an optional entry level PV solar installer module] of the training curriculum is attached. The 18 credit hour (6 class) cybersecurity/SCADA training will be entirely on-line. Both programs will be supported by other technology systems such as Tandberg equipment which can serve as many as 12 simultaneous sites in the region. These sites also have access to and use G Suite (GAFE) environments - which takes advantage of online as well as offline access to class materials, word processing, spreadsheets, presentations, CAD, Google Forms for surveys - formative and summative assessments, Google Classroom, Google Hangouts and Hangouts on Air. Other educational or recruiting/registration events are also being planned. A July 2017 wind energy/SCADA career fair will be hosted by Eastern Area Workforce Solutions in Ruidoso, and a 2018 New Mexico Wind Energy Conference is under development at Inn of the Mountain Gods, hosted by the Inn.

III. Match In-Kind Contributions, Other Institutional Support

Type	Source	Amount
Classroom Space Carrizozo and Region IX		\$10,800
Industry Equipment	Pattern and CleanLine	UNK
Institutional Salaries (ENMU-Ruidoso admin. @ .10 FTE)		15,000
IT Tech Support all locations	Region IX REC	UNK
Physical Exams (HS students)	Region IX REC	8,700
Proposal Development	Placer Mountain Services	1,000
Room Partitions	Region IX REC for Carrizozo	12,000

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Student Transportation Region IX School Districts UNK
Total Known In-Kind Contributions/ Institutional Support: \$47,500

IV. Budget

Narrative:

There are several additional revenue sources that will be available depending on the type of student who enrolls for the proposed training programs. They include but are not limited to: Carl Perkins; GI Bill; Federal Financial Aid; Workforce Solutions Training funds; Workforce Innovation and Opportunity Act funds; Job Training Incentive Program funds, etc.

Revenue

Eastern Area Workforce Solutions	UNK
Federal Financial Aid	12,000
IBEST [New Mexico ABE]	10,000
Other [student co-payments, \$50 per term]	17,500
Rapid Workforce Development Fund [Wind]	189,100
Rapid Workforce Development Fund [SCADA]	13,900
Tuition/Fees	7,500
WOIA Funds	20,000
Miscellaneous	<u>5,500</u>
Revenue Total	275,500

Expenses

Classroom Training Space Utilities Carrizozo Schools	3,600
Classroom Training Space Utilities Region IX REC	3,600
Classroom Supplies/Materials	5,000
IBEST classes [math, communications, study skills]	25,000
Instructional Salaries/Benefits [Wind]	63,000
Instruction Salaries/Benefits [SCADA]	31,500
Physical Exams (adults) (LC Medical Center clinics)	8,700
Recruiting/Promotional Materials	2,000
Recruiter/Coordinator .50 FTE	69,000
Travel/lodging	16,600
Training Equipment [computers, RE training equipt.]	48,000
Expense Total	\$275,500

Cost of Training per Student per Hour: \$5.18 [wind]; \$2.48 [SCADA]

Number of Students Participating in Training: 203

Number of Training Hours per Student: 288 [Wind]; 576 [Cybersecurity]

Cost of Training per Student: \$1,492 [wind]; \$1,430 [SCADA]

Total Cost of Training: \$275,500

Request from Rapid Workforce Development Fund: \$203,000

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V. Affidavit

As an authorized representative of Eastern New Mexico University – Ruidoso applying for Rapid Workforce Development Funds, I hereby certify that the information included in the application and provided to the Rapid Workforce Development Board in support of the application is true and accurate.

I understand that the Board may at any time request any additional documentation required regarding activities supported by these funds. I am aware that any false information or intended omissions may subject me to civil or criminal penalties for filing of false public records and/or forfeiture of any training award approved through this program.

Signed:

Date:

Printed Name:

Title:

Eastern New Mexico University – Ruidoso

Attachments