



Planning and Evaluation Tracking

College Year: 2010-2011

Division of: Sciences & Engineering

Person Responsible: Jack Stanley

Department of: Instrumentation-Wind/Solar Person Responsible: Art Schneider

Purpose Statement: To educate future technicians to support the growing renewable energy industry in the Texas Panhandle.

Goal Statement #1: Standardize curriculum, textbooks, lab activities, and hands on application for all classes. Upgrade instrumentation equipment to current industry standards.

Objectives/Outcomes (including assessment tools and standards): Review outcomes using faculty, student, and advisory board input.

Results: All students will receive the same basic instruction from all instructors. Labs will be updated in both equipment and procedures.

Use of Results (including improvements and revisions):

Analysis: Students are completing courses with varying levels of knowledge and experience. Students may not be job ready and fully trained in wind energy.

Plan of Action: Utilize a standard curriculum and labs for each class, follow an adopted textbook or manual for all classes and labs. Repair, purchase, or implement new lab equipment where needed. Continue to seek the guidance of industry expertise. Utilize regular advisory committee input.

Goal Statement #2: Fully utilize training equipment during courses and labs. Integrate new technology i.e. SCADA in both instrumentation and renewable energy classes. Incorporate Sim cell operation into the PLC course. Continue to upgrade curriculum to meet the needs of industry.

Objectives/Outcomes (including assessment tools and standards):

Results: Assess the ability of students completing courses through questionnaires, interviews and employer satisfaction surveys.

Use of Results (including improvements and revisions):

Analysis: Modify curriculum and teaching strategies as needed.

Plan of Action: Provide faculty training to provide for a unified educational foundation for students.

Goal Statement #3: Develop partnerships with local and national renewable energy companies to provide employment opportunities for our students.

Objectives/Outcomes (including assessment tools and standards): As the wind industry grows, more opportunities will be available for our graduates.

Results: Students will have the opportunity for interviews upon graduation.

Use of Results (including improvements and revisions):

Analysis: Industry needs will drive the workforce, Amarillo College will be proactive in shifting to those needs and applications.

Plan of Action: Continue to network with industry individuals, seeking their expertise and input, modify and improve the renewable energy program at Amarillo College.

