

NEW MEXICO WIRED: THE IMPLEMENTATION PLAN

The Technology Triangle (T2) of New Mexico consists of the counties of **Bernalillo, Los Alamos, Sandoval, Santa Fe, Sierra, Socorro, Torrance,** and **Valencia** and includes the cities of Albuquerque, Santa Fe, and Rio Rancho. The region represents New Mexico's center of population growth, business, and innovation, home to federal laboratories, research institutions and universities, and a complementary workforce.



This Implementation Plan establishes the strategies and processes put into place to capitalize on the award of the Workforce Innovation in Regional Economic Development (WIRED) grant from the U.S. Department of Labor's Employment & Training Administration (ETA). WIRED's unique emphasis integrates economic and workforce development to demonstrate that talent development is a key driver of economic transformation. WIRED's implementation in the technology triangle will address the growing demand for a highly skilled workforce throughout these industries for a number of important occupations, skills, and exit competencies.

The initiative is called *Seeding Innovation in New Mexico's Green Manufacturing Cluster*, which focuses efforts on the dense community of high-tech companies growing in the region combined with progressive environmental standards and compliance established throughout the state. New Mexico is second in the nation in solar energy potential, a world leader in hydrogen fuel-cell research and development and has abundant biomass, wind and geothermal energy potential. The target industries the initiative will address include:

Target Industries

- **Renewable Energy**
- **Green Building Construction**
- **Microelectronics**
- **Optics**
- **Aerospace/Aviation**
- **Advanced Manufacturing**

Strengths in basic science and entrepreneurship underlie the region's competitive position in green technologies. The region is also benefiting from new company location. In January 2008, it was announced that SCHOTT AG, of Germany, will build a solar products manufacturing plant at Mesa Del Sol, just south of Albuquerque. The \$500 million complex is expected to open in early 2009 and will create as many as 1,500 jobs at peak production. The Technology Triangle's current opportunity is further advanced by the national and global marketplace where venture capitalists and new investors like Google are

eagerly pouring money into nearly every startup that brands itself as pursuing "clean tech" or renewable energy. As a result, technologies in these categories are seeing huge run-ups in value

THE LEADERSHIP: NEW MEXICO T2 EXECUTIVE ADVISORY BOARD

T2 is the Executive Leadership Board assembled to advise on the direction of the WIRED grant. It is an alliance of civic leaders representing business and industry in the eight-county region. The T2 alliance will serve as the overall advisory board to the implementation of the WIRED grant. This network of leaders is impressive in its own right as an incubator of high tech talent, ideas, and innovation due to the dynamic board composition, and will be an important device to the sustainability of WIRED's programs, because the Board leverages the discrete strengths and mutual responsibilities of all stakeholders, including those at the state, regional, and larger cluster levels. This factor gives T2 the capacity to effect not just regional but system-wide transformation in New Mexico for continued growth in high-technology.

Technology Triangle (T2) Board

Sherman McCorkle, Board co-chairman
President and CEO
Technology Ventures Corporation

Russell R. Schmit, Board co-chairman
Founder, President, and CEO
Advent Solar

Betty Sparrow Doris
Secretary
New Mexico Department of Workforce Solutions

Terri Cole
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Sandia National Laboratories

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Daniel Lopez
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Vern Raburn
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Katie Szcapaniak Rice
Analyst
Epic Ventures

Jeff Sterba
Chairman, President, and Chief Executive Officer
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James Wernicke
President of the Board of Directors
New Mexico U.S. Green Building Council

Lawrence Real, Board co-chairman
Executive Director
Mid-Region Council of Governments

Diane Denish
Lieutenant Governor
State of New Mexico

Diane Burke
Dean, School of Applied Technologies
Central New Mexico Community College

Roger Cook
Retired - Strategic programs manager
Intel Corporation

Michael Emerson
COO
Heliose, Inc.

Raymond Gonzales
Deputy Secretary
New Mexico Department of Workforce Solutions

Doyle Miller
Director of Business Development
Intelligent Energy, Ltd.

Ed Spivak
Treasurer
New Mexico Optics Industry Association

Edward Rios
Plant Manager
Giant Refinery

Terry Wallace
Acting Principal Associate Director Science,
Technology and Engineering
Los Alamos National Laboratory

THE FOCUS: NEW MEXICO WIRED VALUE PROPOSITION

The WIRED implementation is geared toward developing a pipeline of talent for entry, expansion, innovation and growth of the green manufacturing cluster. Building an effective pipeline means developing a highly skilled workforce for numerous points of entry. To this end, the implementation of WIRED is designed to develop talent at several critical points for the population's interest, advancement, growth, and fulfillment in the target high-tech industries. This mission is accomplished through a series of trainings, activities, scholarships, events, and structures which will be outlined that are fully articulated in the Goals and Strategies Matrix in attached Appendix A. Each strategy that will be initiated meets an important need that must be accomplished for the region to achieve its transformational agenda.

IMPLEMENTATION PROCESS

The implementation plan is a direct result of a two-month planning process focused on transitioning an accepted proposal to a strategic implementation. The process incorporated the feedback of numerous regional stakeholders on what the regional vision and expectations are for the WIRED initiative, what strategies match best with the vision, and then constructing a plan based on regional best practices where information sharing and learning is a critical element throughout. Most importantly, the intent of the initiative is to ensure workforce development, economic development, and educators are working together for an integrated approach to talent development.

GOALS FOR REGIONAL TRANSFORMATION

Transformational Goal #1: Construct a training pipeline for green manufacturing occupations in the region.

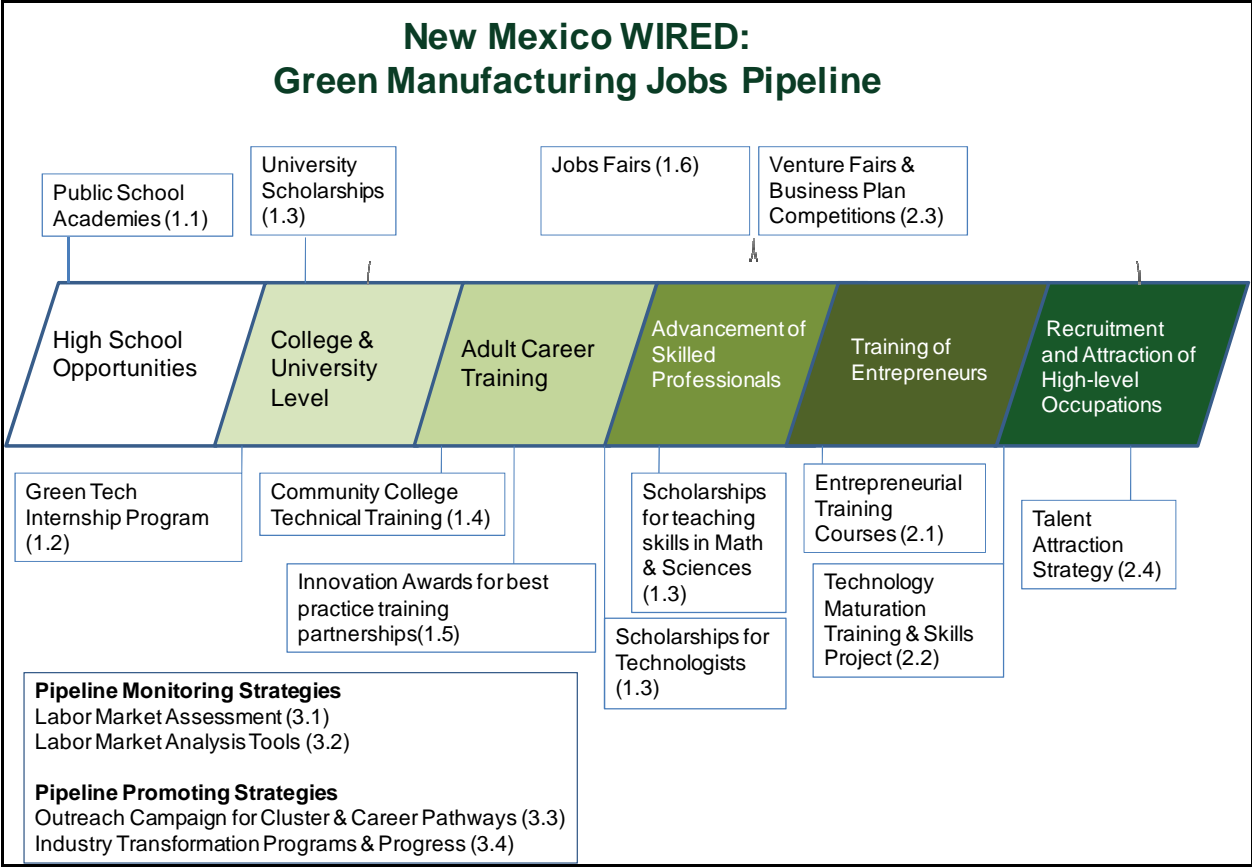
The intent of goal one is to better define all the skills, knowledge, and competency requirements of the green manufacturing cluster and then to structure and reward regional mechanisms that are successfully directing workers into the targeted areas including educational institutions to best prepare students for these requirements.

Transformational Goal #2: Develop the entrepreneurial and innovative capacity of the region around Green Technology.

The T2 region's current opportunity in clean and green technologies and industries must be advanced for economic growth and wealth creation. In order to maintain the region's momentum in research product development and commercialization, there must be a focus on broadening the skills and knowledge base for the population to facilitate research, ideas, and laboratory technologies into the commercial marketplace.

Transformational Goal #3: Monitor, expand, nurture and promote the pipeline of Green Tech talent in the region.

All the emerging opportunities throughout the region must be monitored, expanded, nurtured, and promoted throughout the region to create the maximum and desired impact. Goal three puts tools and mechanisms in place to disseminate the most current research and analysis about the labor market and then to get the information to the important regional connectors.



THE PIPELINE IN PRACTICE

The pipeline graphic is a representation of the pathway to occupations, the varying entry points, and the interventions that the WIRED implementation is planning to strategically position the region for economic growth. The left side of the graphic begins with getting young people engaged and aware of the target industries. The pipeline moves to the right in the graphic into creating opportunities for students through scholarships and internships in targeted disciplines and companies. Ensuring the curriculum offered for adult career training in critical trades is what companies are seeking is the next important step along the pipeline. This includes a strategy for rewarding best practices in training partnerships, and offering scholarships to technologists in these key areas. Scholarships for teacher training in science, technology, engineering and math position the region to provide students with the best instruction at early ages.

The training of entrepreneurs and people to develop green technology remains an important economic driver of the region due to a strong workforce of scientists and engineers at the federal laboratories. Entrepreneurial training and technology maturation skills projects are expanded at this stage for this outcome. Maintaining high-quality management talent to retain the best New Mexicans in the region is the strategy to strengthen the right side of the pipeline. Opportunities at jobs and venture fairs will give opportunities for important networking and connectivity that will link the region on key economic opportunities. Finally, the regional implementation has built in strategies to address the collection and dissemination of key information that affects both partners in the project and the worker.

THE PARTNERSHIP FOR EXECUTION

In order to execute the implementation a broad regional partnership has come together to commit to the effort. The partnership will be critical to maximize the impact of WIRED and execute all activities. This partnership is a dynamic mix of private industry, government, economic development, workforce development, education, and entrepreneurial support. The partnership includes:

Advent Solar	Albuquerque Economic Development
Albuquerque Hispano Chamber of Commerce	Albuquerque Public Schools
BWD Global	Central New Mexico Community College
Central Workforce Development Board	CNM Workforce Training Center
Eclipse Aviation	Epic Ventures
French Mortuary	Giant Refinery
Greater Albuquerque Chamber of Commerce	Heliose, Inc.
Intel Corporation	Intelligent Energy, Ltd.
Kirtland Air Force Base	Lockheed Martin
Los Alamos Commerce and Development Center	Los Alamos National Laboratory
Mid-Region Council of Governments	New Mexico Aerospace/Aviation Industry Assoc.
New Mexico Department of Workforce Solutions	New Mexico Economic Development Partnership
New Mexico Higher Education Department	New Mexico Mathematics Engineering Science Achievement
New Mexico Optics Industry Association	New Mexico Public Education Department
New Mexico Tech University	New Mexico Technet
New Mexico U.S. Green Building Council	New Mexico Venture Capital Association
Northern Workforce Development Board	PNM Resources
Rio Rancho Economic Development Corporation	Sandia Foundation
Sandia National Laboratories	Santa Fe Business Incubator
Santa Fe Community College	Santa Fe Small Business Development Center
Santa Fe Workforce Training Center	Southwestern Indian Polytechnic Institute
State of New Mexico, Lieutenant Governor's Office	Technology Ventures Corporation
University of New Mexico	vSpring Capital

SUSTAINABILITY

New mechanisms will be built in the region to train workers for occupations in the emerging green manufacturing cluster through the WIRED initiative. To have a transformative impact, these efforts must be sustained beyond WIRED. The key to sustainability remains the key regional relationships in place through the broad-based WIRED partnership. Relationships will be maintained around the T2 Executive Advisory Board, which will be looked to for strategic support of WIRED initiatives. Additional fundraising by this advisory group will be critical in driving the sustainability of the initiatives. All WIRED working groups formed will also be important to sustainability.

The intent of the range of strategies constructed is to have a sustainable impact, because they are serving a key regional gap or need. The following statements reflect the impact and opportunity to sustain important initiatives:

- The sharing of critical information on occupations and workforce demand through research and outreach to regional employers will form a strong baseline of support for the development of a common approach to the regional industries and to ensure identification of what is needed for successful long-term transformation in workforce training and development.

- The creation of public school academies and the identification of skills training gaps to be addressed by postsecondary education providers will be critical in the systematic transformation in the development of workforce skills for long-term employment.
- Regional community colleges becoming strategic with course offering for industry and occupations is a giant step for these institutions to be more anticipatory in the delivery of worker training.

BUDGET ALLOCATIONS & NARRATIVE

The majority of the budget has been designed to align with WIRED’s transformational agenda of developing a training pipeline of new skills, knowledge, and competencies for the industries of the future, spurring job creation through innovation and entrepreneurship, and monitoring and nurturing the talent needs as they change. Furthermore, investments are designed to leverage additional public and private resources, and for those leveraged resources to have additional ‘spinoff’ financial effects throughout the region. Approximately 12 percent is required to administer the grant. Currently, the WIRED budget leverages 52 percent of the original grant.

<u>New Mexico WIRED Strategy</u>	<u>Budget Allocation</u>	<u>Leveraged Funding</u>
GOAL ONE		
1.1 Public School Academies	\$377,500	\$150,000
1.2 Green Tech Internship Program	\$100,000	\$10,000
1.3 Targeted Scholarships		
- Community College Technologists	\$525,000	
- University Students	\$150,000	
- Masters Degrees for Teachers	\$500,000	
1.4 Community College Technical Training	\$257,000	\$927,000
1.5 Innovation Awards	\$600,000	
1.6 Jobs Fairs	\$165,000	\$200,000
Total	\$2,674,500	\$1,287,000
GOAL TWO		
2.1 Entrepreneurial Training	\$200,000	\$700,000
2.2 Technology Maturation Training & Skills Project	\$200,000	
2.3 Venture Fairs & Biz Plan Competition	\$325,500	\$300,000
2.4 Talent Attraction	\$400,000	\$50,000
Total	\$1,125,500	\$1,050,000
GOAL THREE		
3.1 Labor Market Assessment	\$165,000 (Includes grant operations)	\$60,000
3.2 Labor Market Analysis Tools	\$90,000	\$10,000
3.3 Outreach Campaign for Clusters & Career Pathways	\$295,000	\$30,000
3.4 Industry Transformation Programs and Progress Event	\$50,000	\$100,000
Total	\$600,000	\$200,000
Grant Administration, Supplies & Overhead	\$600,000	\$54,840
	\$5,000,000	\$2,591,840

BUDGET NARRATIVE

The following listing gives descriptions on each of the planned expenditures through WIRED. Detailed budgets per strategy will be developed per each subcontractor agreement between NMDWS and the Strategy Lead.

1.1 Public School Academies - implementation of a regional STEM strategy through utilization and modeling of the successful photonics academy

- Funding: \$377,500 for teacher training on STEM curriculum as well as materials and lab equipment
- Leverage: \$150,000 needed from public schools or Public Education Department to achieve all goals

1.2 Green Tech Internship Program – competitive process for high quality interns to receive experience in regional technology industries

- Funding: \$100,000 is for the hiring of an Internships Coordinator for life of the WIRED grant, who will also serve as Coordinator for Scholarships
- Leverage: \$10,000 estimated support from employers

1.3 Targeted Scholarships – scholarships directly committed to scholarships to give incentive for the development of workers in key areas

- Funding: \$1,175,000 in direct scholarship funding for approximately 190 individuals
- Leverage: No current source of leveraged funding has been identified

1.4 New Technical Training – an approach to develop and align curricula, certificate programs, and short course modules with labor market demand in high-tech industries

- Funding: \$257,000 for curriculum development and the training of teachers for new curriculum
- Leverage: \$927,000 from Central New Mexico Community College and a federal Perkins grant for lab equipment development, other training materials, curriculum development, and teacher training

1.5 Innovation Awards for Training Partnerships – reward grants to training partnerships and best practice training programs

- Funding: \$600,000 of opportunity funds for an estimated six best practice training programs; specific expenditures will be directed to training for students, teachers, course developed, equipment, etc.
- Leverage: No current source of leveraged funding has been identified, however leveraged funding will be a requirement of award of a training grant

1.6 Jobs Fairs – establishes point of connectivity between people receiving training in high-tech industries and regional employers seeking skilled workers

- Funding: \$165,000 for the underwriting of the jobs fairs
- Leverage: Other funds (\$200,000) are for the utilization of nmtechjobs.org to incorporate employers, job seekers, and job postings from a virtual tool into the implementation of the fairs

2.1 Entrepreneurial Training Courses – expands programs for workforce to receive entrepreneurial training

- Funding: \$200,000 for underwriting of training courses and the expansion of the program to underserved parts of the region
- Leverage: \$700,000 is leveraged mainly for curriculum and materials purposes

2.2 Technology Maturation Training & Skills Project – training pilot program for students to learn skills in technology maturation and develop a network of these individuals in the region

- Funding: \$200,000 for the development of the training program and reimbursement of faculty

- Leverage: A pilot initiative with WIRED sparking through seed funding; after assessment of pilot, funding will be considered to sustain program

2.3 Venture Fairs & Business Plan Competitions – execution of events to successfully connect entrepreneurs in clean and green technologies with potential investors and give entrepreneurs experience in the development of start-ups

- Funding: \$325,500 is devoted to the underwriting of the events and the specific promotion and materials of Green Tech tracks within
- Leverage: \$300,000 in funding from TVC devoted to conducting the Equity Capital Symposiums

2.4 Talent Attraction Strategy – putting forth a plan to match expatriate New Mexicans with the cutting-edge, management and high-level occupations in the region

- Funding: \$400,000 for subsidizing a part-time program manager, software purchase, training university staffs on using applications, and outreach to targeted populations for job matching
- Leverage: \$50,000 provided from French Mortuary for marketing of the tool

3.1 Labor Market Assessment – conducting an extensive survey of the labor market needs of regional companies in the targeted industry sectors

- Funding: \$165,000 is the value of the contract for services between NMDWS and New Mexico Technet; Through this contract NM Technet also agreed to complete the assessment which includes outreach, research, and analysis
- Leverage: \$60,000 is the value of the work the Technet is providing above and beyond the operations contract

3.2 Labor Market Analysis Tools – the purchase of tools to continuously analyze and assess key economic and workforce indicators

- Funding: \$90,000 for the purchase of the data tools
- Leverage: \$10,000 leveraged from other tools already at work in the region

3.3 Outreach Campaign for Cluster & Career Pathways – a number of outreach methods to further connect people with information about emerging jobs and the matching interventions through WIRED to partner with

- Funding: \$295,000 for facilitation of widespread outreach of the opportunities through WIRED
- Leverage: \$30,000 is leveraged from existing website utilization

3.4 Industry Transformation Programs & Progress - to connect with an annual innovate conference to present best practices through WIRED, report on performance, and present key occupation information on the green manufacturing clusters

- Funding: \$50,000 to co-sponsor event to update the region on the progress and impact of the WIRED initiative
- Leverage: \$100,000 is leveraged from contributions of other event sponsors

TRACKING PERFORMANCE

The U.S. Department of Labor requires that each region tracks job creation, retention, and wages as measures of performance of the WIRED initiative. In addition to this, New Mexico WIRED will use several other metrics to quantify the impact of strategies on the regional economy and workforce. These performance metrics are listed in the following tables. Further information on overall outcomes and the momentum of the impact on regional transformation is included for each strategy in the outcomes column of the Goals and Strategies Matrix.

Required Metrics

The required metrics to measure the performance in WIRED are:

1. The number of jobs created
2. The number of jobs retained
3. Wages per employee

Training: Impacts in this category address individuals that will enter WIRED funded training programs for the targeted sectors.

1.1	# Public schools involved in academy programs	50
1.1	# Student participants	1000
1.2	# Students entered into Green Tech Internships	150
1.2	# Companies offering internships	50
1.3	# Technologists receiving scholarships	150
1.3	# University student scholarships in key disciplines	15
1.3	# Teachers Receive Master's of Science Teaching	25
1.4	# Trained Workers Receiving Skill Upgrades in Short Course Modules	200
1.4	# Trained in certificate programs for Green Manufacturing	400
2.1	# Receive entrepreneurial training	125
2.2	# Trained in technology maturation skills	50
2.3	# Entrepreneurs served at Venture Fairs	300
General	# Placed or retained jobs from training	500

Curricula: Impacts in this category address individuals that will enter WIRED funded curricula that may lead to certification and ultimate employment in target sectors.

1.4	# New short course modules created	10
1.4	# Certificate programs impacted by new curriculum	8
1.5	# Best practice programs and/or partnerships created	6
1.5	# Partnership applications submitted	20

Outreach: Outreach measures are intended to create new relationships, new ways of doing business and funding streams that increase pipelines to employment.

General	# Events held	50
3.1	# Companies engaged in Labor Market Survey	300
3.1, 3.2	# Regional requests for information (survey + data tool)	75
3.2	# Analyses conducted using data tools	20
1.6	# Students attend jobs fairs	550
1.6	# Adult workers attend jobs fairs	650
1.6	# Employers offering opportunities at jobs fairs	250

2.3	# Investors participate in Venture Fairs	360
2.3	# Business Plans submitted	255
3.3	# Company registrations per year	100
3.3	# Hits on nmtechjobs.org website	750
3.3	# Educational conferences venues where information is presented	20
3.3	# Company tours provided by industry	50
3.3	# Promotional materials distributed and presentations made	1000
3.3	# Student job shadowing competed	50
3.3	# Guidance counselors attending training sessions	100
3.4	# Attendees of Industry Transformation Conference	400
3.4	# Presentations of WIRED activities	10

APPENDIX A: NEW MEXICO WIRED GOALS & STRATEGIES MATRIX

Transformational Goal #1

Goal One: Construct a training pipeline for green manufacturing occupations in the region.					
Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>1.1 Public School Academies</p> <p>This strategy is intended to reinforce a Science, Technology, Engineering, & Math education in the curriculum of the region's public schools.</p> <p>The intent is to identify the proper model for the expansion of public school academies in critical disciplines, skills, and competencies that impact the target industries.</p> <p>Albuquerque's West Mesa Photonics Academy based on a model of the NM Optics Industry Association has been identified as the best principled approach and the right starting point for a larger regional collaboration and implementation.</p>	<p>1.1.1 Complete an inventory of regional all regional academy and/or STEM approaches</p> <p>1.1.2 Upgrade and Enhance West Mesa High School Advanced Technology Academy and regionalize best practice model to another high school in the region</p> <p>1.1.3 Develop a 1/2 day curriculum on photonics at the Albuquerque Public Schools Career Enrichment Center (this would be available to all students in the APS district); highlight dual credit opportunities</p> <p>1.1.4 Use NM Mesa to offer supplemental STEM classes during lunch and after school at middle schools to effectively reach every school in the WIRED region; Hands-On-Optics (HOO) program (currently NM MESA is in 115 high schools around the state in areas other with the exception of Albuquerque)</p> <p>1.1.5 Career information, job</p>	<p>Strategy Lead: NM Optics Industry Association</p> <p>Contact: Ed Spivak / Dr. Trish Wagner</p> <p>Partners: Sandia Foundation; All regional public schools; PED; NM Mathematics Engineering Science Achievement (NM MESA); Intel Corporate Foundation; Albuquerque Business Education Compact</p>	<p>May 2008</p>	<p>WIRED Funding: \$377,500</p> <p>Leveraged Funding: \$150,000 required of public schools; Seek State Funding through legislative process to fully regionalize program; Seek corporate and/or foundation dollars</p>	<p>Overall Outcome: Develop a curriculum at the high school level that offers an introduction to photonics and other targeted sectors, while ensuring sufficient math and science to enable graduates to pursue post-secondary education at a 2- or 4-year institution.</p> <p>Training Metrics:</p> <p>1000 student participants</p> <p>50 schools involved</p> <p>Impact Metrics: The region becomes well-positioned in STEM with increases to students score in</p>

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
	<p>shadowing, company tours, internships, and scholarships to link academy student participants with careers</p> <p>1.1.5 Program sustainability – Industry sponsorships, integration into APS ongoing budgets and additional state funding and grants to maintain and expand programs</p>				<p>Science and Math and increased interest and identification in the opportunities with local companies.</p>
<p>1.2 Green Tech Internship Program</p> <p>Through a competitive process select students at university, community college or graduate school programs for summer internships.</p> <p>Funding will be used to hire a full time program coordinator who will also manage the scholarship program in Strategy 1.3.</p>	<p>1.2.1 Devise competitive process to select awardees</p> <p>1.2.2 Design selection criteria for internship programs</p> <p>1.2.3 Promote the opportunity throughout the WIRED network</p> <p>1.2.4 Use Public School Academies as a way to get Junior and Senior HS students interested in internships in the targeted sectors</p> <p>1.2.5 Identify employers seeking / willing to take-on interns</p> <p>1.2.6 Identify selection committee to place interns</p>	<p>Strategy Lead: WIRED working group</p> <p>Contact: Claire Dudley</p> <p>Partners: Technet; T2; LANL: SNL ; Public Education Department ; Public Schools; Higher Education Department; Epic Ventures</p>	<p>March 2008 – Hiring of Coordinator</p>	<p>WIRED Funding: \$100,000</p> <p>Leveraged Funding: \$10,000 (Support from Employers)</p>	<p>Overall Outcome: Increase regional supply of individuals engaged in cluster high-tech businesses to increase the chances that young talent stays and works in the region.</p> <p>Training Metrics:</p> <p>150 students enrolled</p> <p>50 companies participating</p> <p>Impact Metrics: Greater student identification and affinity to work for a competitive local company strengthens</p>

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
					the regional pipeline for entry into targeted industries.
<p>1.3 Targeted Scholarships</p> <p>The NM WIRED project is developing criteria for offering and funding levels for a variety of scholarships as well as a process for vetting prospective candidates. The criteria for the award of scholarships will include recipient mandates to work within WIRED region in targeted sectors</p> <p>The program administrator used for the Green Tech internship project will also provide administrative responsibility for this project.</p>	<p>1.3.1 The <i>average</i> scholarship award will be \$3,500;</p> <ul style="list-style-type: none"> ▪ Offer training scholarships to include at least 150 community college-trained technologists in disciplines identified in 3.1 ▪ 15 university baccalaureate or graduate students in key disciplines identified in 3.1; implement award criteria on how recipient must plan to work within WIRED region and also mandate recipient to move through Green Tech internships program ▪ 25 promising public school teachers from the Triangle and affiliated regions to attend New Mexico Tech’s Master’s of Science Teaching (MST) program over three years to improve teacher academic skills in science and math—teachers who accept the scholarship will make a commitment to teach in cluster public schools for at least 4 years following their training. <p>1.3.2 Organize working group of key stakeholders</p>	<p>Strategy Lead: WIRED working group</p> <p>Contact: Claire Dudley</p> <p>Partners: SFCC, CNM, T2, PED, HED; Albuquerque Public Schools; UNM Scholarship office</p>	<p>January 2008 – Working Groups initiated</p> <p>March 2008 – Criteria / eligibility determined</p> <p>April 2008- Selection Process begins</p>	<p>WIRED Funding:</p> <p>Community College Technologists Training: \$525,000</p> <p>University Student Scholarships: \$150,000</p> <p>Masters Degrees for Teachers: \$500,000</p>	<p>Overall Outcome: Increase qualified workers in the cluster pipeline; Ensure highly qualified STEM teachers in public schools to improve skills qualifications in the cluster pipeline</p> <p>Training Metrics: 150 scholarships awarded for trained technologists at community colleges</p> <p>15 scholarships awarded to University students trained in key disciplines</p> <p>25 scholarships awarded to public school teachers receiving Master’s of Science Teaching</p>

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
	<p>1.3.3 Establish scholarship approval and award processes</p> <p>1.3.4 Prospective candidates for technical scholarships will be identified in cooperation with Workforce Connection Centers</p> <p>1.3.5 Prospective candidates for other scholarships will be identified in cooperation with federal laboratory, university, community college and public school partners.</p>				<p>Impact Metrics:</p> <p>Giving incentives for workers not just propels more into the workforce, but with strategic outreach demonstrates how the region is placing a large strategy on growing the targeted industries.</p>
<p>1.4 Community College Technical Training</p> <p>Develop new community college technical training short course modules, certificate programs and degree programs that respond to the education and training and job demand needs identified by the Labor Market Assessment.</p> <p>Target Industries: Construction, Aviation/Avionics, Optics/Photonics, Advanced Manufacturing, Clean & Renewable Energy</p> <p>This will be a collaborative project between the region's community colleges that utilize two major</p>	<p>1.4.1 Organize community college planning team between CNM and SFCC to respond to labor market analysis and other rationale for the development of new programs</p> <p>1.4.2 Catalogue all available community college offerings between CNM and SFCC that respond the needs of the target industry sectors and others needs identified by the Labor Market Assessment in 3.1.</p> <p>1.4.3 Map out the size and scale of the synergies in community college offerings and what is reasonable base on the region and the market being served.</p>	<p>Strategy Lead: Central New Mexico Community College</p> <p>Contact: Diane Burke</p> <p>Partners: Santa Fe Community College; Public Education Department; Higher Education Department; Albuquerque and Santa Fe Workforce Training Centers; Albuquerque Business Education Compact</p>	<p>July 2008 – Results from studies applied to curriculum</p> <p>July 2009 training and curriculum implemented</p>	<p>WIRED Funding: \$257,000</p> <p>Leveraged Funding: \$717,000 from CNM's School of Applied Technologies</p> <p>\$210,000 from Perkins Funding to CNM</p>	<p>Overall Outcome: Assure community college training meets identified business needs of the green manufacturing cluster</p> <p>Curricula Metrics: 10 new short course modules created</p> <p>8 certificate programs impacted by curriculum development</p> <p>Impact Metrics: Transitioning workers</p>

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>strategies to get people trained for key skills in the target industries.</p> <p>1. Using industry feedback and collaboration to grow the target industries determine Short Course modules to get workers key training updates. The training will take place at Workforce Training Centers. These courses are non-credit earning for skill upgrades as determined</p> <p>2. Strengthening workforce pipeline by using industry feedback to design curriculum that impacts course offerings and faculty development in training for the target industries. Emerging throughout the target industries are the application of cross-disciplinary skills which is happening in the Renewable Energy Industry</p>	<p>1.4.4 Modify existing coursework for both short term (course modules) and long term (changes to curriculum) training strategies</p> <p>1.4.5 Engage CNM’s industry advisory councils to validate any new offerings through meeting industry exit competencies for jobs</p> <p>1.4.6 Identify and promote the training opportunities of cross-disciplinary technicians across the target industries</p> <p>1.4.7 Publish community college offerings on nmtechjobs.org and NMDWS website and outlets</p> <p>1.4.8 Track number of students impacted by certificate programs and courses created</p>				<p>into jobs in the region’s high-tech industries by providing dynamic certifications and skill upgrades.</p>
<p>1.5 Innovation Awards for Training Partnerships</p> <p>Issue “Innovation Awards” to community college, public school, university or industry partners to deliver needed curriculum or student services in innovative ways.</p>	<p>1.5.1 Assign to Innovation Award Working Group</p> <p>1.5.2 Develop the model and process for awards</p> <p>1.5.3 Innovation Award funding will be used as a Strategic Opportunity Fund which will fill critical need gaps in the</p>	<p>Strategy Lead: WIRED Working Group</p> <p>Contact: Claire Dudley</p> <p>Recipients: Community Colleges;</p>	<p>December 2008</p>	<p>WIRED Funding: \$600,000</p>	<p>Overall Outcome: Increase efficiency and efficacy of community college training resources in the cluster; Seed programmatic changes necessary to assure success of <i>all</i></p>

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
Issue "Innovation Awards" to community college, public school, university, or industry partners or associations for replicable best practices in training development or coordination activities.	region based on the Industry Survey and other work and analysis by WIRED working groups and the overall WIRED partnerships	Universities; Public Schools; Industry Partners Partners: T2; Regional Chambers of Commerce; Industry Associations including Optics and Aerospace/Aviation; NMDWS Business Services Division			students, including underprivileged learners, in higher order skills for the 21st century workforce Curricula Metrics: 20 applications submitted 6 awards made Impact Metrics: New partnerships form with regional employers and workforce service providers to broaden the access to training illuminate innovative ideas regionally.
1.6 Jobs Fairs Utilization of TVC's expertise in event planning in the region to establish job fairs that involve a wide range of employers and occupations in the "Green" Manufacturing category.	1.6.1 Leverage the platform used by TVC to conduct a large-scale event for careers in Green Tech / Green Manufacturing companies 1.6.2 Link into nmtechjobs.org and all NMDWS workforce system outlets as a mechanism to spread	Strategy Lead: Technology Ventures Corporation Contact: Ingrid Baker	April 2008, October 2008, April 2009, October 2009, April 2010 (Will target different areas of region, Santa Fe, for example to conduct job fairs	WIRED Funding: \$165,000 (for 6 jobs fairs) Leveraged Funding: \$200,000 Leveraged funds	Overall Outcome: Generate robust cluster professional and employment network

Goal One: Construct a training pipeline for green manufacturing occupations in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
	<p>information and link to jobs</p> <p>1.6.3 Arrange logistics and marketing</p> <p>1.6.4 Host event among T2 members public school and community college students</p>	<p>Partners: T2, Technet; North & Central Workforce Investment Boards; PED; HED; NMDWS Business Services Division</p>	<p>within target timeframes for WIRED project</p>	<p>for the effort include a developed, copyrighted site with reserved domain names and a 15 year history of serving the New Mexico Technology community.</p>	<p>Outreach Metrics:</p> <p>250 employers participating</p> <p>1200 job seekers attending</p> <p>Impact Metrics: Jobs fairs serve as a key point of connectivity between those receiving training in the region and employers seeking skilled workers</p>

Transformational Goal #2

Goal Two: Develop the entrepreneurial and innovative capacity of the region around green technology.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>2.1 Entrepreneurial Training Courses</p> <p>Improve efforts to grow our own management and entrepreneurial talent by expanding the activities of TVC's Center for Commercialization and Entrepreneurial Training</p> <p>This is an Entrepreneurial Training Series of 6 Centers per each series. The seminars are on the following topics:</p> <p><i>Seminar 1 – Entering the Entrepreneurial World</i> <i>Seminar 2 – Market Research and the Marketing Plan</i> <i>Seminar 3 – Financial Management</i> <i>Seminar 4 – Preparing and Presenting the Business Plan</i> <i>Seminar 5 – Operations Startup, Monitoring, and Human Resources</i> Seminar 6 – Attracting Investors, Intellectual Property, Securities Laws and Regulations, and Lessons Learned</p>	<p>2.1.1 Expand the reach in the region of the Center for Commercialization and Entrepreneurial Training across a large regional population</p> <p>2.1.2 Promote events for entrepreneurial training in WIRED region throughout shared portals</p> <p>2.1.3 Work in cooperation with the region's Small Business Incubators and Small Business Development Centers to prepare entrepreneurs for earliest-stage development</p>	<p>Strategy Lead: Technology Ventures Corporation</p> <p>Contact: Lee Trussell</p> <p>Partners: Greater Albuquerque Chamber of Commerce, the Albuquerque Hispano Chamber of Commerce, Sandia National Labs, The City of Albuquerque, The University of New Mexico, Los Alamos National Labs, Los Alamos Commerce and Development Center, Santa Fe SBDC, Santa Fe Business Incubator; Rio Rancho Chamber of Commerce; Rio Rancho Economic Development Corporation</p>	<p>July 2008 (2), January 2009, July 2009 (2), January 2010</p> <p>The first four (4) series of seminars will focus on the west side of the Rio Grande River to target a population of business people who have been underserved by the training program to this point and the other two (2) series of forums will be held in Santa Fe, NM.</p>	<p>WIRED Funding: \$200,000</p> <p>Leveraged Funding: \$700,000</p> <p>Funding leverage is provided through direct funding for the development and updating of the copyrighted course curriculum and course manual and other training materials. To date over 10,000 students have attended the Seminars in New Mexico, Nevada, and California. Contributory partnerships (cash and in-kind) include the assistance from the Partnering New Mexico organizations</p>	<p>Overall Outcome: Increase supply of cluster entrepreneurs qualified to start and run new high tech businesses</p> <p>Training Metric: 125 individuals receiving training</p> <p>Impact Metric: Double the number of entrepreneurial training certificate programs offered to mobilize a workforce to capitalize upon the new ideas throughout the region.</p>

Goal Two: Develop the entrepreneurial and innovative capacity of the region around green technology.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>2.2 Technology Maturation Training & Skills Project</p> <p>Conduct technology maturation skills activities to advance skills and competencies in successfully developing and commercializing laboratory technologies, which continue to be an enormous economic opportunity in the region due to the location of Sandia and Los Alamos.</p>	<p>2.2.1 Fund a technology maturation training and skills program used to train students for technology maturation of technologies being developed at Los Alamos and Sandia National Laboratories; Teach the skills through an extended process</p> <p>2.2.2 Map skills required for technology maturation throughout the process of research and product development to commercialization; process involves pairing of know-how of advanced technologies with commercialization skills like market timing and financing</p> <p>2.2.3 Track formation of early-stage companies and workforce requirements needed from the talent delivery systems, which must meet across the gamut of skill and competency needs to move technologies from research to product development and commercialization</p> <p>2.2.4 Determine sustainability of maturation training programs through implementing through most appropriate piece of training continuum – either public workforce system, community college, university, industry, or federal laboratory</p>	<p>Strategy Lead: Technology Ventures Corporation</p> <p>Contact: Sherman McCorkle / Duane Dimos</p> <p>Partners: SNL; LANL; Determined regional tech-based businesses</p>	<p>September 2008 & September 2009 for 2 cycles or projects</p>	<p>WIRED Funding: \$200,000 (2 RFP cycles at \$100K)</p>	<p>Overall Outcome: Strengthen cluster technological primacy and business development</p> <p>Training Metric: 50 individuals receiving training and know-how of technology maturation</p> <p>Impact Metric: Building a network of individuals in region with technology maturation know-how to support entrepreneurial efforts and mapping the specific skills to replicate and train future entrepreneurs and individuals interested in the commercialization of laboratory technologies is a revolutionary approach to regional economic growth.</p>

Goal Two: Develop the entrepreneurial and innovative capacity of the region around green technology.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>2.3 Venture Fairs & Business Plan Competitions</p> <p>Hold venture/angel capital fairs as well as an annual business plan competition that highlights "Green Tech" among a large target population including federal laboratories, research entities, university faculty and students</p>	<p>2.3.1 Develop a yearly business case competition among federal laboratory and research and university faculty and students, including those at the National Institute for Nanoengineering (NINE) and the Institute for Advanced Studies to develop Clean/Green Tech companies or in the development of technologies that grow the WIRED region's targeted industry clusters of clean and renewable energy, optics, microelectronics, aerospace, aviation, construction, advanced manufacturing and nanotechnology</p> <p>2.3.2 Design the business case competition to award the winners with cash prizes (funds leveraged from UNM for awards)</p> <p>2.3.3 Develop a Green Tech track within the region's annual Equity Capital Symposium where entrepreneurs of clean and green technology companies are acquainted with and can discuss their business plans, ideas, and technologies with potential investors</p> <p>2.3.4 Assistance from the event can ultimately help scientists, entrepreneurs, and even students secure angel or bridge funding and become familiar with other assistance</p>	<p>Strategy Lead: Technology Ventures Corporation</p> <p>Contact: John Freisinger</p> <p>Partners: T2; SNL; LANL; vSpring Capital; University of New Mexico; APMC; Lockheed Martin; Northwestern Mutual Financial Network; NM Venture Capital Association; Epic Ventures; Grant Thornton; Flywheel Ventures; DePonte Investments; NMDWS Business Services Division</p>	<p>UNM Business Plan Competition April 11, 2008</p> <p>NM Equity Capital Symposium May 14, 2008</p> <p>UNM Business Plan Competition April, 2009</p> <p>NM Equity Capital Symposium May, 2009</p> <p>UNM Business Plan Competition April, 2010</p> <p>NM Equity Capital Symposium May, 2010</p> <p>The funding will be used to develop strong Green Tech portions of prescheduled events. Funding will be allocated for different events are for larger scale based on the timeline of funding for WIRED.</p>	<p>WIRED Funding: \$325,500</p> <p>Leveraged Funding: \$300,000 is leveraged from the corporate sponsorship of the Annual Equity Capital Symposium; Leverage UNM awards for business case competitions</p>	<p>Overall Outcome: Increase green technology commercialization and small business development and generate robust cluster professional network</p> <p>1,200 participants at venture fairs</p> <p>255 business plans submitted</p> <p>Training & Outreach Metrics:</p> <p>Equity Capital Symposium: 250-300 total attendees 80-100 of which are registered as Investors; 50-60 of which are registered as Entrepreneurs; 50-60 Business Plans are submitted (Approximately half of the 2007 submission qualify as "Green Tech" or "Clean Tech")</p> <p>Business Case Competition: 80-100 Attendees;</p>

Goal Two: Develop the entrepreneurial and innovative capacity of the region around green technology.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
	<p>providers that can support them on a case by case basis</p> <p>2.3.5 Arrange logistics and promotions with WIRED branding and host events for students, entrepreneurs, startups, investors and service providers</p>				<p>15-20 Investors 25-50 Entrepreneurs; Average 25 business plans submitted</p> <p>Impact Metrics: Connectivity in the entrepreneurial and investment communities will be ensured through this effort, which capitalizes on the entrepreneurial training that will occur. This will prove to keep the region galvanized on idea generation and business development.</p>
<p>2.4 Talent Attraction Strategy</p> <p>Create and implement the “New Mexico Higher Education Hiring Network” website/database available to students, expatriates and industry to connect potential employees to the New Mexico green technology cluster as there is a demand for high level occupations in this industry. The high-tech jobs are here now, but there is a shortfall of the talent required. Phase I will include the University of New</p>	<p>2.4.1 Determine the viability of creating the website for all public secondary educational institutions in the eight county New Mexico Green Manufacturing Triangle and create an implementation plan</p> <p>2.4.2 Hire a part-time program manager for software integration and outreach/education aspects of the program. Identify two part-time interns to assist in the program; CNM funds contributed to pay for the interns.</p> <p>2.4.3 Specify and purchase first year license agreements for software</p>	<p>Strategy Lead: Albuquerque Economic Development</p> <p>Contact: Bob Walton</p> <p>Partners: French Mortuary; UNM; CNM Foundation; CNM; T2; New Mexico Tech, Southwest Indian Polytechnic Institute; Santa Fe Community College</p>	<p>June - July 2008 – CNM and UNM for completion this</p>	<p>WIRED Funding: \$400,000</p> <p>Leveraged Funding: \$50,000 provided from French Mortuary to advance economic development; CNM providing in-kind contributions of interns</p>	<p>Overall Outcome: This effort will develop mechanisms to position the region to retain and attract talent for high-level occupations where there continues to be a regional gap for retention.</p> <p>Training Metric: Through life of WIRED</p>

Goal Two: Develop the entrepreneurial and innovative capacity of the region around green technology.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>Mexico (UNM) and Central New Mexico Community College (CNM). Phase II to include three additional universities and community colleges in the eight county Manufacturing Technology Triangle.</p> <p>It has been identified that there is an issue in the recruitment and attraction of high level occupations in the targeted sectors of our wired proposal. In 2006, local economic development entities commissioned the Wadley-Donovan Group to perform a "Labor Market Assessment" of four of the eight counties represented in this proposal. In their report, they stated "Occupations difficult to recruit from the local and regional labor market are in <i>management and supervisory; technical and professional; and production, maintenance and distribution</i> categories. Among the most difficult positions to recruit are: <i>experienced management, production supervisors, financial analysts,...engineers (general, mechanical, electric and electronic), scientists (general),...</i>"</p>	<p>for Phase I</p> <p>2.4.4 Provide training for UNM and CNM career services and Job Connection Center staff. Train on features of the new system, train the trainer, and report generation.</p> <p>2.4.5 Develop an outreach/ education plan</p> <p>2.4.6 Implementation of the outreach/education plan to inform students, expatriates, and employers how to utilize the new higher education hiring network. Must include the small and medium enterprises and skills needed from OEMs to down to suppliers along the vendor-supply chain</p> <p>2.4.7 Phase II: Roll out program to the additional three schools in the triangle. Purchase software licenses.</p> <p>2.4.8 Perform data conversion for additional three schools</p> <p>2.4.9 Provide software system training for Phase II schools career service staff. Train on features of the new system, train the trainer, and report generation.</p>				<p>funds</p> <p>2,000 job seeker registration</p> <p>300 Employer registrations</p> <p>500 Employer-posted positions</p> <p>100 job matches</p> <p>Impact Metric: Stop the practice of exporting talent in New Mexico by developing a plan to attract New Mexico expatriates by matching with jobs in the targeted industries</p>

Transformational Goal #3

Goal Three: Monitor, expand, nurture and promote the pipeline of green tech talent in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>3.1 Labor Market Assessment</p> <p>Conduct labor needs assessments among a representative sample of renewable energy, optics, microelectronics, aerospace/aviation and green building corporations, small businesses, manufacturing companies, and government employers to determine current skills gaps and employment needs as well as projected education and employment needs in two years and five years.</p>	<p>3.1.1 Conduct a labor needs assessment</p> <p>3.1.2 Link strategy with utilization of labor market tools in 3.2</p> <p>3.1.3 Link with Labor Market Information director and other important data sources</p> <p>3.1.3 Prepare business survey</p> <p>3.1.4 Distribute business Survey</p> <p>3.1.5 Analyze survey data</p> <p>3.1.6 Publish needs assessment</p>	<p>Strategy Lead: NM Technet</p> <p>Contact: Charles Lehman</p> <p>Partners: NMDWS; CNM; AED; SFCC, EDP, NM Aerospace & Aviation Assoc; NM Optics Industry Assoc; T2</p>	April 2008	<p>WIRED Funding: This work is being accomplished under \$165,000 contract to Technet for operations and administration</p> <p>Leveraged Funding: \$60,000</p>	<p>Overall Outcome: Identify immediate skills and employment of cluster businesses and predict future needs through 2012</p> <p>Outreach Metrics: 300 companies interviewed</p> <p>50 requests for information</p> <p>100 reports distributed</p> <p>Impact Metrics: A number of opportunities will rely on the immediate needs of employers and a forecast of regional growth to best position the region.</p>
<p>3.2 Labor Market Analysis Tools</p> <p>Select new labor market analysis system(s) to improve the region's capacity to quantify and analyze the changing labor market and to generate reports to be a source of constant</p>	<p>3.2.1 Construct Regional Data sharing team and working Group</p> <p>3.2.2 Acquire Data Tools (Currently WITS & EMSI under consideration)</p> <p>3.2.3 Link Demand side</p>	<p>Strategy Lead: NM Technet</p> <p>Contact: Charles Lehman</p> <p>Partners: Workforce Investment</p>	March 2008	<p>WIRED Funding: \$90,000</p> <p>Leveraged Funding: \$10,000</p>	<p>Overall Outcome: The establishment of a process for sharing important labor market and other regional economic and workforce analysis will strengthen activities in the WIRED region by making</p>

Goal Three: Monitor, expand, nurture and promote the pipeline of green tech talent in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
monitoring and information for the WIRED activities and reporting in the region.	<p>strategy of employer survey (linkage to Strategy 2.1) with Supply side strategy of using tool</p> <p>3.2.4 Serve as a key link to any of the strategies under WIRED that are in need of data and analysis for planning and/or execution purposes</p>	Boards; HED; NMDWS; CNM; Santa Fe Community College			<p>evidence-based decisions</p> <p>Outreach Metric:</p> <p>25 requests for data and reports</p> <p>20 analyses conducted using data tools</p> <p>Impact Metric:</p> <p>It is expected that 20 company expansions and 15 Training Programs will be impacted by the most current research and analysis regarding regional opportunities for growth and talent development.</p>
<p>3.3 Outreach Campaign for Cluster and Career Pathways</p> <p>Develop an outreach campaign for new technical training, including enhancing the career clusters website to promote career pathways and improve messaging about green manufacturing careers and spread the messages about events and deadlines occurring throughout the WIRED activities</p>	<p>3.3.1 Develop an outreach campaign for new technical training</p> <p>3.3.2 Design initiative logos as necessary</p> <p>3.3.3 Highlight WIRED on state's career resources website including nmtechjobs.org The site averages 75-80 jobs in a very specialized sector limited to New Mexico-based technology businesses. The</p>	<p>Strategy Lead: New Mexico Technet; TVC</p> <p>Contact: Charles Lehman / Ingrid Baker</p> <p>Partners: T2, NMDWS, North & Central Workforce Boards, Comm. Colleges; Public Schools;</p>	October 2008	<p>WIRED Funding: \$295,000</p> <p>Leveraged Funding: \$30,000</p>	<p>Overall Outcome: Improve messages available to public school students about career opportunities in green manufacturing cluster and implications for STEM and other coursework</p> <p>Outreach Metrics:</p> <p>500 hits on nmtechjobs.org website</p>

Goal Three: Monitor, expand, nurture and promote the pipeline of green tech talent in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
<p>Work cooperatively with nmtechjobs.org and Choices CIDS to offer on-line career information focused on "Jobs of the Future" and highlighting the opportunity and the requirements for positions in the green manufacturing cluster. Promote the site information to cluster high school students to encourage them to investigate it as part of their career planning.</p>	<p>site averages 250 applicants in a wide variety of tech fields, and 400 visitors per day from all over the nation.</p> <p>3.3.4 Highlight WIRED opportunities on community colleges websites</p> <p>3.3.5 Publish promotional materials as necessary</p> <p>3.3.6 Visit public schools and target communications to career counselors on the appropriate Math & Science requirements of students</p> <p>3.3.7 Cooperate with New Mexico Partnership for Math and Science Education to conduct high school outreach</p> <p>3.3.8 Participate in state conferences and forums to promote career opportunities</p> <p>3.3.9 Establish speaker, bureau, company tours, and job shadowing</p> <p>3.3.10 Training program for guidance counselors on targeted industry careers</p> <p>3.3.11 Implement a WIRED</p>	<p>PED; HED; Chambers of Commerce</p>			<p>by students and job seekers</p> <p>20 educational conferences venues where information is presented or exhibited</p> <p>50 company tours provided by industry</p> <p>50 industry presentations at schools</p> <p>1000 promotional materials distributed</p> <p>50 student job shadowing competed</p> <p>100 guidance counselors attending training sessions</p> <p>Impact Metrics: Transform public perception of career opportunities in the cluster and increase student attendance in training programs</p>

Goal Three: Monitor, expand, nurture and promote the pipeline of green tech talent in the region.

Key Strategies	Activities	Responsible Parties	Timeframes	Resources Needed	Desired Outcomes/ Metrics
	<p>branded Choices Career Information Delivery System (CIDS) to all Central New Mexico WIRED region high schools, colleges, and one stop centers with a special module on targeted industries and employers</p> <p>3.3.12 Connect with best practices from all WIRED regions through the WIRED nation social networking tool</p>				
<p>3.4 Industry Transformation Programs and Progress</p> <p>This strategy is to develop a track on WIRED's initiatives as part of Albuquerque Chamber's Annual Innovate Conference. The Conference links economic development with education and the workforce, so it is logical to link WIRED efforts to the conference agenda and the overall regional learning and collaboration.</p>	<p>3.4.1 Coordinate with regional WIRED partners to present at conference on a Report to the Community on WIRED's activities</p> <p>3.4.2 Incorporate WIRED working groups and strategy leads to present activities and report on findings from WIRED activities</p> <p>3.4.3 Part of the program will be to update on emerging job trends and other critical labor market information for Green Manufacturing sector</p> <p>3.4.4 Record and distribute program results</p>	<p>Strategy Lead: Greater Albuquerque Chamber of Commerce</p> <p>Contact: Beverly Cruz</p> <p>Partners: T2</p>	<p>Conference to be held in June 2008 and June 2009</p>	<p>WIRED Funding: \$50,000</p> <p>Leveraged Funding: \$100,000</p>	<p>Overall Outcome: Utilization of a venue to promote WIRED activities and share best practices of WIRED</p> <p>Outreach Metrics: 20 Presenters at each conference (10 WIRED presenters)</p> <p>200 Attendees per year (400 total)</p> <p>Impact Metrics: Program will prove to further galvanize the region for more participation in WIRED activities.</p>

APPENDIX B: SCHOLARSHIPS/INTERNSHIPS WIRED WORKING GROUP

Working groups are formed to develop critical processes in WIRED to facilitate competitive awards for monies and opportunities. A description of the Scholarships/Internships Working Group is included. Another WIRED working group will be formed to develop the model and process for Innovation Awards for Training Partnerships under Strategy 1.5 to community college, public school, university or industry partners to deliver needed curriculum or student services in innovative ways.

Scholarships/Internships Working Group

Formed to develop the criteria for awarding scholarships and cultivate internship opportunities under the WIRED grant, this working group has met once where a greater division of labor was established among the team.

Working Group Members:

Tony Korwin, New Mexico Public Education Department
Albert Reed, Santa Fe Community College
George Becker, New Mexico Tech University
Scott Elder, Albuquerque Public Schools
Trish Wagner, Albuquerque Public Schools
Len Malory, New Mexico Higher Education Department
Vivian LaValley, Albuquerque Hispano Chamber of Commerce
Johnnie Wardlow, Southwestern Indian Polytechnic Institute
Michelle Mang, Technology Ventures Corporation
Barbara Stroller, Technology Ventures Corporation
Ingrid Baker, Technology Ventures Corporation
Roger Cook, (Retired) Intel
Casey Deraad, Kirtland Air force Base
Bruce Donisthorpe, BWD Global
Diane Burke, Central New Mexico Community College
Eugene Padilla, Central New Mexico Community College
Kate Szcapaniak Rice, Epic Ventures
Alex Gonzales, UNM Scholarship Office

Subcommittee Working Groups:

Internships:

Barbara Stoller
Michelle Mang
Trish Wagner
Vivian LaValley

New Mexico Tech Teachers Scholars:

Barbara Stoller
George Becker
Scott Elder
Tony Korwin

Scholarships:

Michelle Mang
Vivian LaValley
Al Reed
Tony Korwin
Johnnie Wardlow

Workforce Alliance:

Scott Elder
Trish Wagner
Len Malry
Vivian LaValley
Al Reed
Tony Korwin

Accomplishments of Working Groups to Date: February 28, 2008

New Mexico Tech Master of Science for Teachers Scholars

Eligibility: Applicants for the opportunity must be accepted into the New Mexico Tech Master of Science for Teachers Program. The applicants must be level one, level two or level three teachers. The applicants must be middle school or high school teachers and teach in the following WIRED counties: Los Alamos, Sandoval, Santa Fe, Bernalillo, Torrance, Valencia, Socorro and Sierra. Applicants must agree to complete the program in three years, teach in one of the eight WIRED counties for three years, and must demonstrate an interest in teaching or classroom activities around green manufacturing - advanced manufacturing, green building, clean and renewable energies, aerospace, microelectronics and/or optics.

Outreach: Efforts will be undertaken to ensure that recipients of the New Mexico Tech Master of Science for Teachers WIRED scholarship reflect the diversity of New Mexico. Outreach to traditional and non-traditional groups of teachers will be conducted through e-mail, phone and personal meetings.

Interview/Selection Committee: One orientation session that includes an interview is required. Members of the T2 Executive team and members of the scholarship/internship workgroup will be asked to serve on the selection committee.

Requirements for the NM WIRED Community College Scholars

CRITERIA FOR SCHOLARSHIPS (agreed upon by group present):

1. Must declare your degree/certificate track (your Career Pathway) in one of these industry areas (7 sectors: advanced manufacturing, aerospace/aviation, green construction, , microelectronics, optics, renewable energy) - will vary according to your college's offerings) [or separate boxes listing each college's programs]
2. Hours already completed – 12 hrs en route to Career Pathway (including some but not all from developmental/remedial courses), or (if entering freshman) HS Career Technical Education program or equivalent
3. Hours enrolled (*preference given to full-time) – must take 9 hours (remind that if less than full-time, may lose eligibility for other funds)

4. FAFSA form submitted
5. NM resident
6. Give us Social Security Number and agree to allow us to track your educational and employment progress.

CONDITIONS THE APPLICANT MUST AGREE TO:

- WIRED Project funds can pay for tuition, fees, and other educational expenses.
- WIRED Project funds cannot pay for remedial coursework but could pay for low-level coursework in targeted fields (eg., “Introduction to Engineering”)
- Scholarship can only be used to address requirements for degree/certificate in targeted fields or courses needed to meet requirements
- Must maintain 2.5 GPA
- Must progress to timely completion of the program (funds expire fall 2010)
- Must agree to meet the program’s core requirements and follow the specified course sequence