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California Innovation Corridor **WIRED Project**

Workforce Transformation:
Innovation/Entrepreneurship Support
Supplier/Supply Chain Competitiveness
Talent Development

California Space Authority
Judy Turner, Program Manager

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Supply Chain Industry Advisory Group Webinar





“Workforce Transformation” Project

- Economic Region:
 - The California Innovation Corridor
- Program Lead:
 - The California Space Authority (CSA)
- State of California Role
 - Technical support, fiscal agent, other support
- Partners
 - 13 county economic region, 60+ partners



California Innovation Corridor



- West Coast of California
 - From San Diego County in the south
 - To Alameda County in the north

- Antelope Valley
- Inland Empire





Key Grant Features: Strategies for System Transformation

- Rapid transformation of innovation to entrepreneurship (commercialization)
- Transformational renewal of manufacturing and supply chain to ensure global competitiveness
- Realignment of education and workforce development/training to produce world-class innovation-oriented 21st Century technical workers





Established Need

- Entrepreneurship seriously under potential compared to other regions
- Manufacturing job loss due to global competition
- Technical workforce shortages on horizon
 - Graying of workforce
 - Technical grad pipeline inadequate





California Space Authority (CSA) Program Lead

- Non-profit corporation supporting statewide space enterprise: commercial, civil, national security
- State designated “Spaceport Authority”
- Working with four sectors: industry, government, academia/education and workforce
- Ongoing statewide strategic planning including R&D and education/workforce initiatives





State of California Role

- Technical assistance and support
 - Labor and Workforce Development Agency (LWDA)
- Fiscal agent
 - LWDA, Employment Development Department (EDD)
- Training reimbursement funding
 - Employment Training Panel (ETP)





Roles of 60+ Partners

- Industry/Private sector/Small Business
 - Advisory/“real-world” experience
 - Private sector expertise
- Workforce Investment Boards
 - Needs/training analyses
 - Dislocated and unemployed worker linkage
 - Interface with industry/academia and economic development for community resource support





Roles of 60+ Partners (cont.)

- Economic development entities
 - Inventory regional innovation assets
 - Identify candidate companies for projects
 - Create sustainable innovation economic development model
- Federal laboratories, R&D centers
 - Liaison to innovation assets/entrepreneurship





Role of 60+ Partners (cont.)

- Education/academic partners
 - Curriculum, program development
 - Professorial/graduate internship program development
 - Hands-on “real-world” demos, pilots
- Other partners
 - Provide expertise for specific grant effort elements





Projects: Innovation Support (sampling)

- Professorial/grad student fed lab internships
- Entrepreneurship training
- 21st Century target job analysis (bio, nano, info)





Projects: Supplier Competitiveness(sampling)

- Identification of global competitiveness skills within manufacturing, supply chain
- Identification of regional training resources
- Define common requirements/training outcomes for “Smart Supplier” program across training provider network
- Manufacturing technician training





Projects: Talent Development (sampling)

- Labor needs assessment
- Two pilot hands-on “real-world” university apprenticeships
- Educator launch conferences
- Summer math and science teacher academies
- Systems engineering pilot/outreach program
- Accelerated (Troops to Teachers and other) teaching certification support program





Sustainability Projects

- Economic development model to support regional entrepreneurship
- Sustainable inventory of key space, science, R&D assets within Corridor
- WIB “Learning Collaboratory”
- WIB Resource Manual to assist after grant period
- Science, technology, engineering and math (STEM) Collaborative Action Plan





Overarching Purpose of CIC WIRED Grant

Optimize the Corridor for Innovation
and 21st Century Workforce
Competitiveness!

