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# All Partner Meeting

November 9, 2007

Judy Turner

***Optimize the Corridor for innovation and  
21<sup>st</sup> Century workforce competitiveness***





# All Partner Meeting Goals

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- ❑ Continue sharing the nature, goals of all 25 projects
- ❑ Begin cross-talk as to common insights
- ❑ Ensure everyone understands breadth, depth of Corridor WIRED initiative, in order to promote Corridor progress
- ❑ Start driving toward information needs for everyone's final conclusions, final reports, recognizing all projects are at different points of progress (to ensure that projects being completed early still benefit from insights across the initiative)



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# All Partner Meeting

## Snapshot Partner Introductions





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# All Partner Meeting

November 9, 2007

Judy Turner

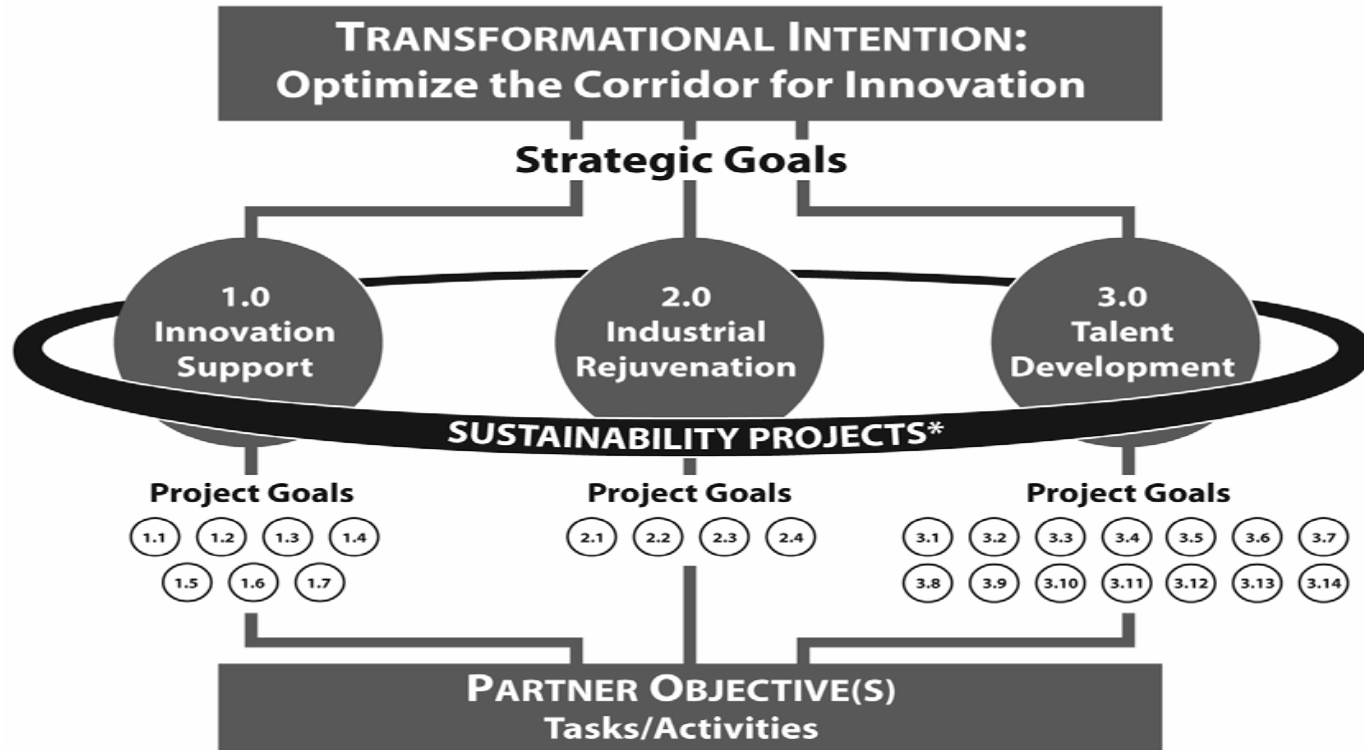
***Optimize the Corridor for innovation and  
21<sup>st</sup> Century workforce competitiveness***





# Corridor Project Integration Protocol

## CIC WIRED PROGRAM



**\*Sustainability projects are those projects supporting both a strategic transformational goal and the overall WIRED grant initiative as well**





# Importance of Alignment and Integration

- ❑ CSA increasingly required to speak to how all 25 projects together will be integrated
- ❑ Context of the overall Corridor effort necessary to articulate its importance
- ❑ Corridor WIRED effort has a good chance of being the WIRED “poster child”, which could lead to long term sustainability as DOL wants its investment protected and is sharing WIRED goals across a broad range of federal agencies, foundations
- ❑ Transformation Vision of Corridor WIRED project (from PIP): ***Integration of education, workforce and economic development systems/innovation strategies in a regional (CIC) framework***
- ❑ Hence: Economic Development, Education and Workforce products must exhibit alignment and integration



# Corridor WIRED

## Alignment and Integration

- ❑ Corridor WIRED effort becoming the WIRED “poster child”, which could lead to long term sustainability as DOL wants its investment protected and is sharing WIRED goals across a broad range of federal agencies, foundations
- ❑ Transformation Vision of Corridor WIRED project (from PIP): ***Integration of education, workforce and economic development systems/innovation strategies in a regional (CIC) framework***
- ❑ Four signature products characterizing entire Corridor effort: ED Model, WIB Toolkit, STEMCAP, and the Supplier Initiative
- ❑ Asset Inventory: Cross gov’t-sector tool (see above)
- ❑ Supplier Initiative: Dependent upon all three gov’t sectors
- ❑ Need other partners to contribute insight/sustainability ideas to the three areas of workforce, education, economic development which will become centerpiece of final Corridor WIRED report



# Project Integration

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## Discussion of common learnings

- Innovation/Entrepreneurship
- Global Supplier Competitiveness
- Talent Development

**Examples of systems (workforce, education, economic development) transformation**

**Individual project integration with systems transformation**



# Alignment, Integration and Insight Breakout Discussions and Report

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## Key Deliverables appropriate to domains

- Innovation/Entrepreneurship
- Global Supplier Competitiveness
- Talent Development

**1-2 Key Insights appropriate to domain  
(May be same as those in self-introductions)**



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## Project 1.1

# Create an Economic Development Model

*California Innovation Corridor WIRED Transformation Vision:*

Integrate education, workforce and economic development systems/innovation strategies in a regional (CIC) framework





# Economic Development Model

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## Major WIRED project

### Objective

- Provide a methodology and resource tool to help economic development professionals support innovation, including how to:
  - Leverage assets
  - Build innovator skills
  - Commercialize technology
  - Grow entrepreneurship



# Final Product

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## Status

- Model being developed by recognized expert
- Rough draft end of October

## Final Product

- Model
  - Multi-part guidebook 35-50 pages
  - Case study(ies)
  - Support CD with interactive tools
- Additional demonstration/support toolkit
  - Data – Analysis and strategies from around the world
  - Project map (how WIRED projects map to model)
  - Wired-related project summaries



# Project Summaries

*Project summaries in the toolkit will help economic development professionals understand and replicate specific WIRED projects as they relate to the innovation model. Proposed format:*

## **PROJECT NAME\***

## **PROJECT LINKAGE TO DOL WIRED OBJECTIVES\***

(State, in simple language, the specific DOL objective being supported.)

## **PROJECT LINKAGE TO INNOVATION ECONOMIC DEVELOPMENT MODEL\***

(State specific element of the economic model being supported.)

## **PROJECT IMPORTANCE\***

(State why others should read the project – what will they learn of value for improving their own economic competitiveness.)

## **PROJECT KEY ELEMENTS\***

## **PROJECT INFRASTRUCTURE**

## **PROJECT REPLICATION**

## **PROJECT RESULTS**

**Anticipated impact or results, results realized or not realized**

(Comment: The results should tie back to the importance of the project.)

## **PROJECT SUSTAINABILITY**

(Comment: Important to CSA and DOL)

## **PROJECT SUCCESS ASSESSMENT\***

(Comment: The success of the project should be directly linked back to the DOL objective – second item in the format – and to the project results stated above.)

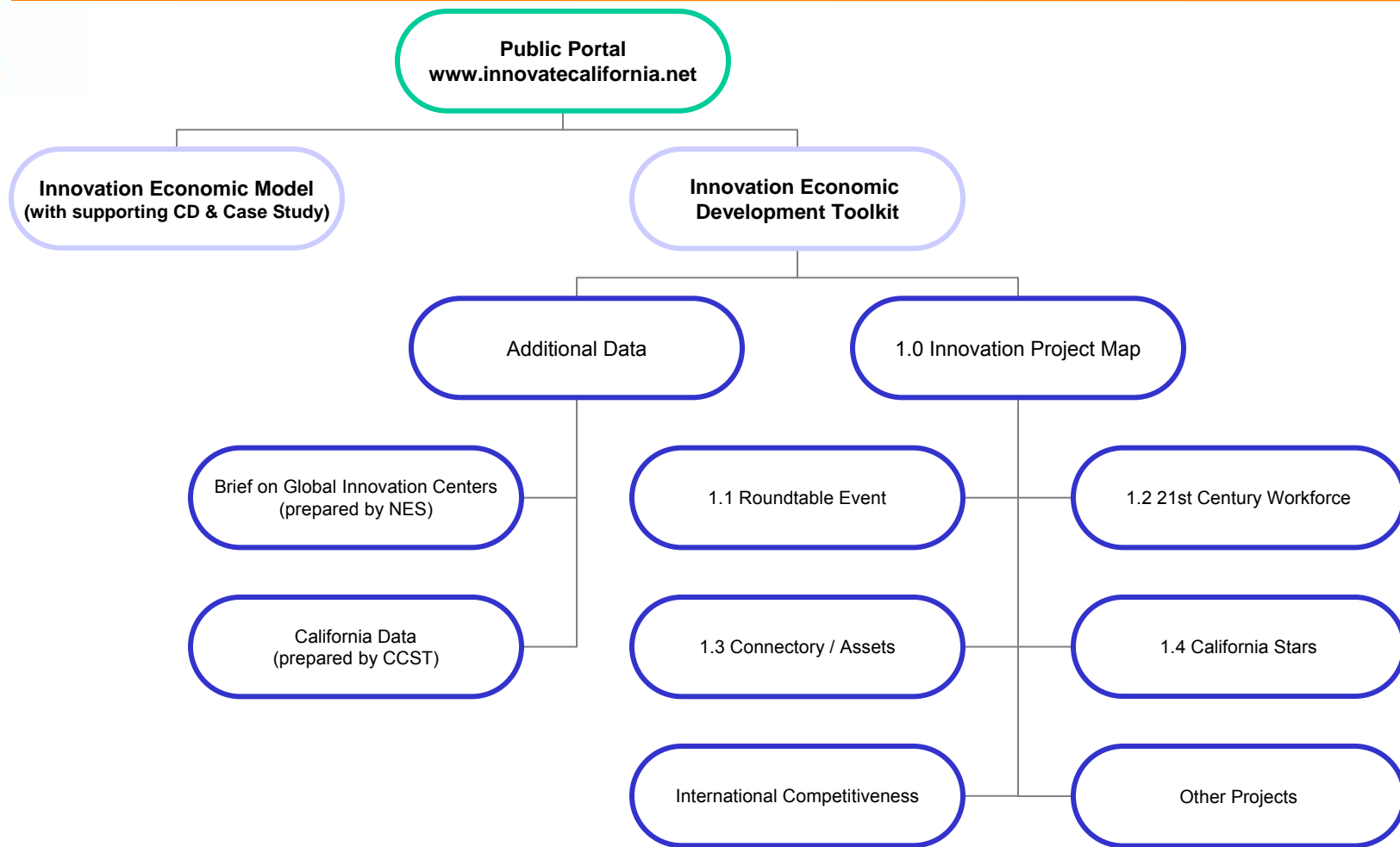


\*Required element for all projects in economic development tool kit. These elements will be listed in the Project Map / Table of Contents for the economic development toolkit.





# Diagram of 1.0 Project Deliverables (Draft)



1.3



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# Project 1.3 transition to 1.1: Innovation Asset Inventory California Innovation Corridor Portal on Connectory.com

**Jo Marie Diamond**

Project Leads Meeting September 6, 2007

Corridor WIRED Transformation Vision (from the PIP)  
***Integration of education, workforce and economic  
development systems/innovation strategies in a  
regional (CIC) framework***





# Overview:

## Project 1.3 to 1.1

- *Building on Innovation Asset Inventory & CIC Portal on Connectory Design Document (produced under the Project 1.3):*
  - *Support development of a “Corridor-wide” on-line system, with opportunity for regional modules, to identify innovation assets at universities, federal laboratories and publicly accessible facilities and*
  - *Segment out those innovation companies in the larger virtual platform, Connectory.com, for inclusion in the CIC Portal.*
- *Make the CIC Portal a core, dynamic resource in the ED Development Tool Kit that provides concrete implementation of the ED Model*



# Key Products/Deliverables

## Project 1.3 to 1.1

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- ❑ *Design Document completed: CIC Portal on Connectory.com*
- ❑ *More detailed specs completed to support agile development of CIC Portal*
- ❑ *Profile Intake Application for non-Company Innovation Assets completed*
- ❑ *GUI Design, search, partner functionality vetted*
- ❑ *Outreach to communities inside/outside CIC underway*
- ❑ *Launch of CIC Portal –January 2008*
- ❑ *Followed by Corridor Tour/Demo – Year 3*



# Key Findings to Date

## □ Characteristics of Innovation

- Willingness to develop, leverage relationships via multiple sources (referrals to/from assets)
- Getting “deep” into asset core competencies, capabilities fosters collaboration

## □ Characteristics of Supply Transformation

- Have used existing Connectory to distribute Supply Chain Rejuvenation Survey
- Innovation doesn't stop with research, diffuses through supply chain

## □ Issues around Talent Development

- Asset inventory process identified mutual interest in STEM/CTE across stakeholders



# Key Findings to Date (cont'd)

## Success Factors in Developing an “Innovation Ecosystem” or “Innovation Culture”

- Connectory/CIC Portal presentation at Far West Fed Lab Consortium meetings (11-12 Sep 07) direct result of WIRED
- Share profiles at Lab Consortium meetings to extend relationships, profile sustainability at Labs, have them reach back to CIC ED/WIBs
- Invite to FLC Meeting extended to CIC Talent projects
- Multiple inquiries from other CA regions about extending CIC Portal outside Corridor



# Key Findings to Date (cont'd)

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Conclusions about integration/alignment of workforce development, economic development, education?

- ❑ Process of asset profile development, reaching out to innovation ecosystem stakeholders provides opportunities for collaboration: FLC Meetings
- ❑ Upfront homework on assets – via CIC Portal/Connectory searches -- can prepare ED, WIB, Education for development of relationships
- ❑ More cost effective to maintain asset inventory on dynamic platform than to conduct ad hoc research



# Key Corridor Conclusions at Close of WIRED

*What conclusions is your project reaching about “Optimizing the Corridor for Innovation and 21<sup>st</sup> Century Workforce Development”?*

- ❑ Willingness to step outside “comfort zone” critical for forming, maintaining relationships with assets
- ❑ Knowing “what you have” is critical to reach across stakeholders, tech sectors
  - Makes it easier to conduct outreach
  - Underpins development of effective programs
  - Becomes basis for building “communities of practice.”
- ❑ CIC Portal on Connectory.com serves as knowledge platform.



1.7



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# Task 1.7-- *Racing Toward the Future* A WIB Resource Toolkit

Project Leads Meeting September 6, 2007  
Presentation by Donna Gerardi Riordan, CCST

Corridor WIRED Transformation Vision (from the PIP)  
***Integration of education, workforce and economic development  
systems/innovation strategies in a regional (CIC) framework***





# Overview: Project 1.7

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“Create for the California Innovation Corridor a visionary manual/toolkit that describes the key role that can be played by WIBs, in conjunction with local elected officials and local industry, to advance and advocate for proactive strategies for local and regional innovation, industrial rejuvenation, and talent development.”



# Key Products/Deliverables Sustainability Project 1.7

- ❑ A CCST-authored toolkit, endorsed by CWA and CSEWI
- ❑ Toolkit to include
  - **Description of how S&T drive community economic changes**
  - **Skills needed for S&T workforce in 21<sup>st</sup> Century**
  - **Industry overviews**
  - **Case studies**
  - **Information resources**
  - **“Something new emerging” -- WIB roles**
- ❑ Toolkit is primarily a web resource, with printable documents accessible from the website.



# Racing for the Future: Online WIB Toolkit

**WORKFORCE INVESTMENT BOARD TOOLKIT**

*Racing for the Future*

Background | Industry profiles | WIB case studies | Resources | 5 Core WIB Roles | About **Wired**

<p><b>BACKGROUND</b></p> <p>What's changing in California, and how it affects workforce development</p>	<p><b>INDUSTRY PROFILES</b></p> <ul style="list-style-type: none"> <li>Nanotech</li> <li>Advanced Manufacturing</li> <li>Biotech</li> <li>Intelligent Transportation</li> </ul>	<p><b>CASE STUDIES</b></p> <p>Six WIB programs that are making a difference</p>	<p><b>RESOURCES</b></p> <p>An interactive library of useful publications and links</p>	<p><b>FIVE CORE WIB ROLES</b></p> <p>Important functions and their relation to preparing the workforce of the future</p>
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# Key Findings to Date

## Key findings that apply to:

- ❑ Characteristics of Innovation
  - Innovation is not one thing; innovation at the local/regional level requires common understanding of goals, roles of various organizations, assets, strategies and metrics
- ❑ Issues/Solutions around Talent Development
  - Identification of assets in a locale/region; need for effective communication among key assets
- ❑ Global Competitiveness
- ❑ Success Factors in Developing an “Innovation Ecosystem” or “Innovation Culture”
  - Understanding of roles that can be played by various local/regional players and willingness/ability to step up to play those roles
  - Shift from “competency addiction” to change agent



# Key Findings to Date (cont'd)

What conclusions is your project reaching about the desired integration/alignment of workforce development, economic development and education?

- ❑ Questions that have emerged are:
  - **Are there enough relevant conversations and planning and strategy development at the right level between workforce development, economic development, and education sectors in the state?**
  - **Is there a role for public/private partnerships at the right level to instigate the kind of policy changes that might address some of the key challenges in workforce and education?**



- ❑ **Success Factors in Developing Talent**
  - **Identification of need for talent within locale/region**
  - **Identification of assets available to develop talent**
  - **Identification of pool of potential talent to develop**
- ❑ **Integration of ED, Workforce, Education**
  - **A tough nut to crack, given that roles, responsibilities, funding and regulations about how to spend funding are driven by different state and federal agencies with different (although related) missions**
- ❑ **Regional Collaboration**
  - **Identify individuals willing/able to be change agents**
  - **Develop ways for “out of the box” actions to succeed, be rewarded and acknowledged, invite adaptation of new modes of operating in other settings**



# Key Corridor Conclusions at Close of WIRED

What conclusions is your project reaching about “Optimizing the Corridor for Innovation and 21<sup>st</sup> Century Workforce Development”?

- The capacity exists in regions around the state to engage in effective change
- Need for policies to encourage and reward more risk-taking at local/regional levels to become involved in change-making activities
- WIBs can play important roles as change agents – but the incentives by funding agencies need to be in place
- Regarding metrics

“Not everything that can be measure matters;  
Not everything that matters can be measured.”



2.1, 2.2, 2.3



# Supplier Transformation Initiative

## Christine Purcell

Project Leads Meeting September 6, 2007

Corridor WIRED Transformation Vision (from the PIP)  
***Integration of education, workforce and economic development systems/innovation strategies in a regional (CIC) framework***





# Overview:

## Supplier Transformation Initiative

### WIRED Projects 2.1,2.2,2.3

- History: CSA CSIBV Collaborative Objectives – determined need
  - “Smart Supplier” Training and Capacity Building
  - Common Learning Outcomes
  - Annual Space Manufacturing/Supplier Forum
- WIRED CIC Program: Smart Supplier Initiative
  - WIRED CIC 2.1 Survey Draft of Current State – 1000 suppliers via top tiers, CCCs and EDCs/WIBs
  - WIRED CIC 2.2 Define Maturity/Capabilities model
    - Define core common requirements, common language
    - Align survey with assessment content
    - Determine gaps, identify resources
  - WIRED CIC 2.3 Outreach to 3000 suppliers
    - Annual Forum – at Supply Network, training providers venues
    - ETP, ITAR, Connectory Aerospace Portal Outreach





# Key Products/Deliverables Supplier Transformation Initiative WIRED Projects 2.1,2.2,2.3

- CIC 2.1
  - Survey
- CIC 2.2
  - Survey results - 1000 suppliers via top tiers, CCCs and EDCs/WIBs
  - Common Learning Outcomes
  - Gaps
  - Assessment Design
  - Resources
  - Maturity / Capabilities Model
- CIC 2.3 Outreach to 3000 suppliers
  - Annual Forum – at Supply Network, training providers venues
  - ETP, ITAR, Connectory Aerospace Portal Outreach



# Key Findings to Date

- ❑ **Characteristics of Innovation**
  - 80% of innovation coming from suppliers
- ❑ **Characteristics of Supply Transformation**
  - Early collaboration between supplier and customer, shared costs, risks, benefits
- ❑ **Issues around Talent Development**
  - Identify and train for common requirements; specific requirements to be trained by primes
- ❑ **Entrepreneurship**
  - Early collaboration with customer, shared costs
- ❑ **Global Competitiveness**
  - CA suppliers supplying globally



# Key Findings to Date (cont'd)

- ❑ **Success Factors in Developing an “Innovation Ecosystem” or “Innovation Culture”**
  - **Trust, open collaboration necessary to minimize oscillation in dynamic complex supplier network**
- ❑ **Success Factors in Developing Talent**
  - **Common learning outcomes**
- ❑ **Integration of ED, Workforce, Education**
  - **Solutions Design lab model**
- ❑ **Regional Collaboration – statewide seamless network for industry to tap into**



# Key Findings to Date (cont'd)

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What conclusions is your project reaching about the desired integration/alignment of workforce development, economic development and education?

**Concept of a regional solutions lab – where companies can use technology tools, methodologies, talent to solve problems, then optimize solutions for production without disruptional change to current production using talent from educational institutions, with eventual transition to industry**

**Industry-driven common requirements**

**Cross functional WIB, EDC, Edu, Industry team**



# Project Highlights - 2.2

- Supplier Survey – closed 9/15/07; analysis in process
- Scope – to characterize current supply base and common requirements
  - Approximately 8,000 California aerospace manufactures invited
  - 3% response rate - favorable for an on line survey of this size and scope
  - Fairly balanced functional response; somewhat heavy in management which is expected due to the fact that 80% of suppliers have less than 100 employees
  - Balanced mix of company sizes – Representative of the state's suppliers – 60% < 100 employees; 75% < 250 employees
- Initial findings
  - **~70% indicated that supply chain integration needs improvement and/or negatively affects their costs, delivery and/or quality**
  - Nearly 75% of respondent's companies earn 50% or more of their annual revenue from Aerospace.
  - Many “Nos” to Exostar, RFID, reverse auction there are reasons for this!
- Plans – complete analysis, publication, distribution, recommendations, assessment, leverage with TAC SQIC and SSC



# Key Findings to date

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- ❑ Supplier Forum
- ❑ Prelim survey results



# Project Highlights

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## Supplier Forum October 24th

- ❑ Co-Hosted by Raytheon Space and Airborne Systems in El Segundo
- ❑ Participation by multiple primes and agencies
- ❑ Agenda items:
  - Industry Outlook – Wanda Austin/Aerospace Corp
  - Industry Requirements for Success – Panel
  - Industry Realities for Collaboration - Panel
  - Industry Success in Transformations – Prime Supplier Teams
  - Industry Success via Leveraged Resources



# Key Corridor Conclusions at Close of WIRED

What conclusions is your project reaching about  
“Optimizing the Corridor for Innovation and  
21<sup>st</sup> Century Workforce Development”?

Interdisciplinary, Systems-based, Life cycle  
Early collaboration with customer  
Shared risk, investment, benefits  
Risk avoidance vs innovation  
Contractual relationships/flowdowns  
Common industry requirements & assessments  
Dynamics complex relationships rather than  
static stable relationships





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# For Discussion: New Monthly/Quarterly Reporting Template

November 9, 2007 Partner Meeting  
Victoria Conner, Strategic Vitality LLC  
WIRED Corridor Partner  
Project Integration/Alignment





# Discussion Draft: New Monthly and Quarterly Reporting Template

- ❑ Name and # of WIRED Project\*
- ❑ Name of Org'l Partner and Contact Person; telephone/email\*
- ❑ Project Linkage to Corridor WIRED Strategic Transformational Goal(s) #1, #2, and/or #3\*
- ❑ Project Key Elements/Products/Deliverables\*
- ❑ Potential Project Replication/ "Institutional" and other Sustainability\*

*\*Could stay the same for each report*



# New Monthly and Quarterly Reporting Template (2)

- ❑ Key Elements of Progress: Reporting Period
- ❑ Key Findings (on any):
  - Innovation
    - ❑ Characteristics, Success Factors: Innovation Infrastructure or Ecosystem
    - ❑ Entrepreneurship
    - ❑ Talent Development
  - Supply Chain Competitiveness
    - ❑ Characteristics, Success Factors: Supply Transformation
    - ❑ Talent Development
  - Talent Development – General
    - ❑ Workforce System inputs
    - ❑ Education/Academia inputs
    - ❑ Integrated Solutions
- ❑ Key Finding/Insight: “Optimizing the Corridor for Innovation, 21<sup>st</sup> Century Workforce Competitiveness”



# Cumulative New Monthly and Quarterly Reporting Template (3)

- ❑ Key Insights (on any)
  - Global Competitiveness
  - Regional Collaboration
  - Demand-driven workforce, education, ED systems
  - Asset Identification/Monitoring/Interface
  - Integration/Alignment of workforce, education, economic development systems
- ❑ Corridor Leveraged Support
- ❑ Conclusions:
  - Project Success in relation to SOW
  - Project Success in relation to Strategic Goal (see above)



# Project Needs/Desires

What does your project need/desire...

- From Project Leads at Sept. 6-7 Forum?
  - Outreach to Mfg/Supply base constituents
  - Integration of findings into tool kits



# Cross-Sustainability Project Results

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- Results of 2.2, 2.3 will be incorporated into**
- 1.1 – EDC tools: Assessment and resources tools**
  - 1.3 - Suppliers in Aerospace portal**
  - 1.7 – WIB tools: Assessments and resources**
  - 3.5 – WFD leverage, industry input to educ**
  - 3.14 - Assessment and resources tools, models**



# Cross- Project Integration Results

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## 1.0 Innovation:

1.2 - 21<sup>st</sup> Century Advanced Mfg Technician – biotech – discrete, process, info/nano

1.5 Innovation model through university internships – finding that successful innovation requires early collaboration between customer and innovator, sharing of risks, costs, requirements

## 2.0 Manufacturing/Supplier Transformation:

2.4 – Manufacturing Technician Certificate

## 3.0 WFD

3.1 Skill Requirements

3.4 Systems Engineering

3.7 Dislocated Software Engineers

3.11 Mechatronics Certificate



3.5



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# Science, Technology, Engineering & Math Collaborative Action Plan (STEMCAP)

**Diane Siri, Executive Director, ARCHES**

Partner Meeting, November 9, 2007

Corridor WIRED Transformation Vision (from the PIP)  
***Integration of education, workforce and economic  
development systems/innovation strategies in a  
regional (CIC) framework***





# Overview: Project 3.5

## STEMCAP Goal:

*Develop a collaboration and a strategic action plan to increase the number and support the development of science, technology, engineering and math (STEM) students, teachers, professors and mentors within the California Innovation Corridor and the State of California, leveraging the resources and efforts not only of education and academia (K-20, public and private), but of industry and the informal science network.*



# Key Products/Deliverables Project 3.5

## ❑ ***STEM Collaborative Action Plan (ARCHES)***

Separate but aligned:

- ❑ *Inventory (sampling) of statewide STEM programs, activities, models, etc. (CSEWI)*
- ❑ *Three case studies: CSU STEM teacher training models (Cal Poly San Luis Obispo)*
- ❑ *Expansion of Project Lead the Way into target high schools, middle schools in El Camino College jurisdiction (El Camino College)*
- ❑ *Statewide network of STEM-related stakeholders oriented to 21<sup>st</sup> Century workforce needs, potential responses (CSEWI, ARCHES, other 3.5 partners)*



# Science, Technology, Engineering, Math Collaborative Action Plan

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- ❑ STEMCAP Program Mgmt: California Space Education & Workforce Institute (CSEWI)
- ❑ ARCHES (Alliance of Regional Collaboration for Heightened Education Success): a voluntary association of collaboratives which share a common goal of increasing student achievement. An initiative of the *California Education Roundtable* – the chief executives of all the state’s education Sectors – and the *California Academic Partnership Program (CAPP)*, the organization was founded in 2005. ARCHES facilitates collaboratives and cooperation among public Schools, community colleges, baccalaureate-granting Institutions, the private sector and community organizations In a geographic region. Currently 23 regional collaboratives are part of This statewide effort, with eight having been in operation several years, fifteen newly-seeded by ARCHES through planning and implementation grants.





# STEMCAP -continued-

- Activity 2006 and early 2007
  - STEMCAP Fora #1 & 2
    - Orientation – STEM activities of each educational system, of informal science, STEM perspective of employers
    - Introduction of NASA/DOD, other gov't STEM activity
    - Working Group break-outs:
      - Recruitment/retention
      - Industry Relevance
      - Curriculum
  - STEMCAP Forum #3
    - Jack O'Connell, Supt. of Public Instruction, State of California
    - Rick Stephens, Sr. Vice President, The Boeing Company
    - Warren J. Baker, President, California Polytechnic Institute, San Luis Obispo (Cal Poly)
    - Working Group Breakouts: Elementary, Higher Ed, Inf'l Science, Industry



# STEMCAP -continued-

- ❑ 2007 STEMCAP activity completed (cont.)
  - Advisory Council formed
    - ❑ 17 statewide STEM stakeholders from education and academia, industry, employer community, informal science
    - ❑ 22 national and state reports reviewed and culled for recommendations most relevant to California
    - ❑ Individual focus group and interview targets identified
  - Focus Groups
    - ❑ Focus group protocols and agendas developed
    - ❑ Focus group meetings scheduled



# Why STEMCAP is Different

- ❑ Comprehensive perspective; NASA typology
  - Inspire
  - Engage
  - Educate
  - Employ
- ❑ Directly actionable by practitioners
- ❑ Piloted by 6 regional collabs to test success
- ❑ Pull from industry vs push from education



# STEMCAP

## Current Activities

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- Focus groups being held, e.g. California Math Council, California Science Teachers Assn., American Institute of Aeronautics and Astronautics (AIAA), CSA Board, etc.
- Dissemination planning for industry outreach in progress



# STEMCAP Next Steps

- ❑ Fall/07: Focus group meetings
- ❑ Dec/07: Final Advisory Group meeting
- ❑ Jan/08: Draft to Steering Committee
- ❑ Feb/08: Finalize STEMCAP
- ❑ Mar/08: Begin dissemination of STEMCAP  
Begin pilots with at least six  
Regional Collaboratives
- ❑ Nov/08: Report from pilots to enhance  
STEMCAP



# STEMCAP (Project 3.5) Key Findings to Date

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- ❑ Importance of regional collaboration
- ❑ Importance of STEM beginning at primary levels and continuing, articulating through continuum of education
- ❑ Excitement of education stakeholders about industry leadership on workforce preparation through STEM support; of industry stakeholders about education system seeking to work with industry on STEM
- ❑ Policy constraints on teaching science (time allotted in classroom-what is tested is taught)
- ❑ Policy constraints on research dollars to test new classes, programs (cannot do class of 10)



# Key Corridor Conclusions at Close of WIRED

What conclusions is your project reaching about “Optimizing the Corridor for Innovation and 21st Century Workforce Development”?

- ❑ Importance of aligning learning outcomes of education with industry needs
- ❑ Need to align assessment with desired learning outcomes
- ❑ Need for alignment of policy, as policy drives what is to be assessed

3.14



# WIB Toolkit (1.7) & Learning Community (3.14)

## Virginia Hamilton California Workforce Association

Project Leads Meeting September 6, 2007

California Innovation Corridor, WIRED Transformation Vision  
***Integration of education, workforce & economic development  
systems/innovation strategies in a regional framework***





# Overview:

## WIB Toolkit, Project 1.7

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- ❑ **A Resource Toolkit for Development of 21<sup>st</sup> Century Knowledge & Innovation Workers**
  - Create a toolkit that describes and informs the several innovative roles for WIBs, in conjunction with elected officials and industry, to advance and advocate for proactive strategies for local and regional innovation, industrial rejuvenation and talent development.



# Overview:

## Learning Community, Project 3.14

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### ❑ Learning Collaboratory

- Establish a learning community among WIBs, for information, training, technical assistance
- Focus is on building WIB capacity for innovation in:
  - ❑ Talent development, STEM, advanced manufacturing
  - ❑ Effective linkages between workforce & economic development
  - ❑ Industry demand models for regional challenges
  - ❑ Enhancing environments conducive to entrepreneurship



# Key Products/Deliverables

## Sustainability Project 1.7

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- ❑ Focus Group of WIB & Economic Development leaders, review & development of Toolkit structure, materials, July 2007
- ❑ Introduction of Toolkit in Plenary Session at CWA “Meeting of Minds” Conference, Monterey, September 5, 2007
- ❑ Completion of Toolkit early 2008
- ❑ Dissemination, continuous demonstration & resourcing, promotion of progressive roles for WIBs in workforce leadership



# Key Products/Deliverables Sustainability Project 3.14

- ❑ Pre (Benchmarking) & Post Surveys of WIBs
- ❑ Policy Recommendations
- ❑ Self-Assessment Model for WIBs, Measuring Regional Innovation
- ❑ Five Monographs
- ❑ Transformation of WIB Agenda: Keeping California Competitive, Creating Opportunity
  - Improved WIB/workforce system focus on, and access to, training & training resources
  - Improved WIB/workforce system orientation to appropriate demand-driven models of service
  - Re-orientation of WIB role to leadership functions, in convening, brokering, workforce intelligence, community voice



# Key Findings to Date

## ❑ Characteristics of Workforce Innovation

- Importance of Re-Tooling WIB perspective: less operational, broader in leadership, in four roles:
  - ❑ Convening, brokering, workforce intelligence, community voice

## ❑ Success Factors in Global Competitiveness & Developing an “Innovation Ecosystem” or “Innovation Culture”

- Turning “workforce crisis,” and the impact of science and technology on industry, into urgent motivation for operational change
- Challenge in developing pathways to new practice



# Key Findings to Date (cont'd)

- ❑ **Increasing focus on Worker Skills, Talent Development**
  - Reinforcing message that a demand-driven model serves both business & worker prosperity equally well
  - Demand-driven means not just filling job openings, but increasing worker readiness & skills for high-wage jobs
  - Requires clarification of purpose, changes in policy priorities, regional approaches, new partnerships



# Key Findings to Date (cont'd)

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- **Workforce System Issues in Entrepreneurship, Innovation Economy**
  - Need to identify appropriate workforce leadership role
  - Need to change workforce system performance measures



# Key Corridor Conclusions at Close of WIRED

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## What conclusions is your project reaching about “Optimizing the Corridor for Innovation and 21<sup>st</sup> Century Workforce Development”?

1. Our focus extends far beyond the Corridor, to the Statewide workforce development system; we can't promote change in the workforce system if the transformation agenda is narrowly region-specific.
2. The workforce system's role for promoting innovation in business is linked to our ability to move the system toward greater attention to and investment in worker skills enhancement.



# New Monthly and Quarterly Reporting Template (2)

- ❑ Key Elements of Progress: Reporting Period
- ❑ Key Findings (on any):
  - Innovation
    - ❑ Characteristics, Success Factors: Innovation Infrastructure or Ecosystem
    - ❑ Entrepreneurship
    - ❑ Talent Development
  - Supply Chain Competitiveness
    - ❑ Characteristics, Success Factors: Supply Transformation
    - ❑ Talent Development
  - Talent Development – General
    - ❑ Workforce System inputs
    - ❑ Education/Academia inputs
    - ❑ Integrated Solutions
- ❑ Key Finding/Insight: “Optimizing the Corridor for Innovation, 21<sup>st</sup> Century Workforce Competitiveness”



# Cumulative New Monthly and Quarterly Reporting Template (3)

- ❑ Key Insights (on any)
  - Global Competitiveness
  - Regional Collaboration
  - Demand-driven workforce, education, ED systems
  - Asset Identification/Monitoring/Interface
  - Integration/Alignment of workforce, education, economic development systems
- ❑ Corridor Leveraged Support
- ❑ Conclusions:
  - Project Success in relation to SOW
  - Project Success in relation to Strategic Goal (see above)



# CORRIDOR WIRED METRICS

## □ *Metrics Reporting*

■ *Finalized metrics document shared with July Monthly Communication identified partner responsibility for specific metrics*

### ■ *WIA Common Measures Projects:*

*1.1 – CSA, GCN, EDD or a variety of WIBs*

*1.4 – CSA, MCSC, SLO PIC*

*2.3 – CSA, NOVA, ETP*

*2.4 – ECC, So Bay WIB*

*3.4 – CSEWI, TAC, Cal Poly SLO, So Bay WIB/SLOPIC?*

*3.7 – NOVA*

*3.11 – CSEWI, AHC, COC, Cerritos, LUC, Santa Barbara WIB?*



# PRODUCTS & DELIVERABLES

- ❑ ***Provided with a list by DOL last month derived from CSA input***
  - ***CSA is evaluating the list and beginning to compile the data on accomplishments to date.***
  - ***Will require quarterly accounting of***
    - ❑ ***Agreed upon deliverables***
    - ❑ ***Accomplishments for the current quarter***
    - ❑ ***Completions through the end of the quarter***



# Sustainability Breakouts: Instructions for Input

- ❑ What “institutional” opportunities are there for Sustainability for participant project(s)?
- ❑ What “value added” could each participant’s project bring to a domain-related proposal or initiative?
  - What contacts (agency awards, foundations, board members), assets (institute; center of excellence; special expertise; broad-based website demo outlets, etc.) could partner contribute to potential domain-related proposal or initiative?
  - To what other projects could partner’s project be linked most successfully in support of sustainability?



# New Monthly and Quarterly Reporting Template

- ❑ Name and # of WIRED Project\*
- ❑ Name of Org'l Partner and Contact Person; telephone/email\*
- ❑ Project Linkage to Corridor WIRED Strategic Transformational Goal(s) #1, #2, and/or #3\*
- ❑ Project Key Elements/Products/Deliverables\*
- ❑ Potential Project Replication/ "Institutional" and other Sustainability\*

*\*Could stay the same for each report*