



WORKFORCE DEVELOPMENT BOARD OF VENTURA COUNTY

MANUFACTURING COMMITTEE MEETING

Wednesday, October 14, 2015

8:00 a.m.-9:30 a.m.

VCCF Nonprofit Center (Community Room)
4001 Mission Oaks Blvd., Camarillo, CA

AGENDA

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|-----------|---|---------------------------|
| 8:00 a.m. | 1.0 Call to Order and Agenda Review | Vic Anselmo |
| 8:02 a.m. | 2.0 Public Comments
<u>Procedure:</u> The public is welcome to comment. All comments not related to items on the agenda may be made at the beginning of the meeting only. | Vic Anselmo |
| 8:05 a.m. | 3.0 Approval of Minutes: August 12, 2015 | Vic Anselmo |
| 8:10 a.m. | 4.0 Manufacturing Skills Class at Ventura College | Scot Rabe |
| 8:25 a.m. | 5.0 Torero Industries: Made in USA – Ventura County | Andrew Dames |
| | 6.0 Ventura County Regional Strategic Workforce Development Plan | |
| 8:35 a.m. | • AMP SoCal Pillar Committees: Update | Jason Miller |
| 8:45 a.m. | • Manufacturing Roundtable of Ventura County:
National Manufacturing Day on October 2, 2015 | Byron Lindros |
| 8:55 a.m. | • Deputy Sector Navigator: Manufacturing: Update | Joe Klocko |
| 9:00 a.m. | • Career Pathways: Update | Wendy Trafton
Jim Rose |
| 9:10 a.m. | • Workforce Innovation and Opportunity Act (WIOA): Update | Cheryl Moore |
| 9:25 a.m. | 7.0 Committee Member Comments | Committee
Members |
| 9:30 a.m. | 8.0 Adjournment | Vic Anselmo |

Next Meeting

December 9, 2015 (8:00 a.m.-9:30 a.m.)
VCCF Nonprofit Center (Community Room)
4001 Mission Oaks Blvd., Camarillo, CA

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WDB Manufacturing Committee Meeting
August 12, 2015

MINUTES

Meeting Attendees

Committee Members

Vic Anselmo*
Tavi Udrea*
Cameron Bruce
Ken Goss
Marybeth Jacobsen
Teresa Johnson*
Jason Miller
Tiffany Morse
Scot Rabe
Alex Rivera*

WDB Staff

Talia Barrera
Cheryl Moore

Guests

Lisa Eklund (VC Innovates)
Phil Hampton (VC STEM, California State University Channel Islands)
Sally Harrison (County of Ventura CEO's Office)
Dion Jackson (Advance Manufacturing Partnership of Southern California),
Yvonne Jonason (Employment Training Panel)
Celine Park (VC Innovates)
Jim Rose (Alliance for Linked Learning)

**WDB Members*

1.0 Call to Order and Agenda Review

Chair Vic Anselmo called the meeting to order at 8:04 a.m. No changes were made to the agenda.

2.0 Public Comments

No public comments

3.0 Approval of Minutes: June 10, 2015

Motion to approve: Alex Rivera
Second: Marybeth Jacobsen
Motion approved

4.0 AMP SoCal Regional Focus Groups

Dion Jackson described AMP SoCal interest in using the Ventura County WDB Manufacturing Readiness Skills list as a foundation to develop an introductory to manufacturing course which could be used across the region. She requested feedback from the business representatives regarding the depth of knowledge needed for entry-level manufacturing readiness and the number of entry-level employees that businesses were hiring.

Committee member Scot Rabe provided an update on the eight manufacturing-related courses that he had developed at Ventura College, using the WDB Manufacturing Readiness Skills list as a reference. Mr. Rabe reported that the State recently had approved the curriculum, which would be available for enrollment in Spring 2016. For student convenience, the courses would be open-entry and mostly online. Committee members congratulated Mr. Rabe and thanked him for his hard work.

Dr. Jackson asked if the community colleges or adult schools in Ventura County would be able to deliver an introductory program in a short, intensive orientation course that also might include an assessment or aptitude test that employers would value. She suggested that funding might be available to support development costs. Dr. Jackson also noted that intensive manufacturing readiness programs were already underway at Mira Costa College (13 weeks) and Los Angeles Valley College (6 weeks); however, they were more than a basic orientation to manufacturing.

Business members of the Committee commented on the basic readiness skills orientation programs that they have developed to determine which new hires have the potential for success in entry-level jobs. Other comments from Committee members and guests related to success in the importance of hands-on experience in an overview course for understanding readiness skill applications in the manufacturing environment; the development of manufacturing career pathways at high schools in Oxnard and Simi Valley in partnership with VC Innovates-E3; the value of an overview course for ex-offender workforce readiness re-entry programs; and the potential opportunity to develop a local pre-apprenticeship program for manufacturing readiness through adult education, in collaboration with community colleges.

In support of AMP SoCal regional outreach needs assessment, the Committee agreed to help convene a focus group in the Fall with aerospace and defense manufacturers and suppliers in Ventura County. Participating in the focus groups would be 10-12 C-level professionals and Committee members. Representatives from Haas Automation and California State University, Channel Islands, indicated that they would be willing to host the event. Dr. Jackson will follow up.

Deputy Sector Navigator: Manufacturing Update

Larry McLaughlin reported on the community college regional study which will gather data directly from employers to determine what manufacturing jobs are in demand, and in proximity to local schools, in different regions of the state. A taskforce from industry will be established to identify occupations and connect education and training. He will continue to provide updates as the project develops and might seek input from committee members.

Mr. McLaughlin also commented on an augmentation to the Deputy Sector Navigator grant, and other grants available, which will help teachers to develop curriculum or obtain new equipment in robotics manufacturing and 3D printing manufacturing. He noted that the latest round of Career Pathways Trust Grants included \$5.5 million for College of the Canyons, to include middle schools, high schools and community colleges in developing advanced manufacturing career pathways.

Career Pathways

Wendy Trafton requested feedback from committee members and guests on an initial draft of the Manufacturing and Engineering Career Pathways Career Ladder Chart, developed by VC *Innovates*. The discussion generated insightful recommendations on how the charts could more accurately reflect manufacturing jobs and career pathways. Some suggestions related to adding production, maintenance and facilities, engineering, quality assurance, regulatory affairs, and supply chain positions. Committee members will continue to provide feedback and receive updates from VC *Innovates* as the development of manufacturing-related career ladders progresses.

5.0 Ventura County Regional Strategic Workforce Development

AMP SoCal Pillar Committees: Update

Jason Miller indicated that AMP SoCal planned to develop a website to facilitate communications within and between Pillar Committee members. In the meantime, he planned to create a local newsletter to help coordinate Ventura County communications and updates among Ventura County representatives. Dr. Miller asked committee members and others who would like receive the newsletter to let him know. A suggestion was made that the LinkedIn site of the Manufacturing Roundtable of Ventura County also might be an easy means of communication.

VC STEM Regional Network

Phil Hampton indicated that VC STEM, funded through an Amgen grant and working in collaboration with the P-20 Council, had formed a steering committee with representatives from

the military, k-12, and higher education. The group had identified three strategic initiatives in Ventura County: 1) the need to increase the k-16 student interest in STEM and broaden their understanding of STEM careers, 2) the need to improve the preparation of K-12 students, especially under-served, and 3) the need to increase the number of STEM graduates and retain them in Ventura County.

Three convenings in June 2015 led to the development of a strategy and the identification of action groups. 1) early childhood/pre-K STEM math readiness; 2) STEM expanded learning outside of the school day (e.g., after school programs), and 3) STEM professional development to prepare teachers and principals for the next generation science standards.

Dr. Hampton announced that on October 23, 2015, a launch event in Oxnard will celebrate the official inclusion of Ventura County in the California STEM Learning Network. He also reported that the Amgen Foundation has released another Request for Proposals for an additional \$130,000.00 to expand the work of the VC STEM Regional Network.

Career Pathways

Tiffany Morse reported that the county-wide, collaborative *VC Innovates-E3* proposal had been funded for \$10.2 million by the California Department of Education, bringing the number of California Career Pathways Trust Grant awards to three in Ventura County (including *Alliance for Linked Learning* and *VC Innovates*) and totaling \$29.3 million. Regarding manufacturing-related career pathway development, Dr. Morse indicated that a group of students participated in a four-week summer internship boot camp to study lathe machining, and the plan is to increase the number of students next summer. Also this summer, math and science teachers from across the county participated in a class to learn about unmanned aerial vehicles (UAV) and to incorporate technology with basic coursework. In addition, one teacher earned a certification from the National Institute for Metalworking Skills (NIMS).

Jim Rose provided an update on *Alliance for Linked Learning* activities related to manufacturing. Engineering students from throughout the county had participated in a four week hands-on class, heard from professional engineers, and had the opportunity to do real world activities and projects. He noted that the second round of Career Pathways Grant funding (*VC Innovates-E3*) will provide the opportunity to extend career pathways readiness to middle school students.

6.0 Year-End Review 2014-2015

Committee members discussed the 2014-2015 Year-End Review accomplishments and brainstormed insights. The final report will be presented at the WDB meeting on August 27, 2015, and available for review at the Manufacturing Committee meeting on October 14, 2015.

7.0 Committee Member Comments

No comments

8.0 Adjournment

Vic Anselmo adjourned the meeting at 9:30 a.m.

Next Meeting

October 14, 2015 (8:00 a.m.-9:30 a.m.)
VCCF Nonprofit Center
4001 Mission Oaks, Blvd., Camarillo, CA



2014-2015 YEAR-END REVIEW **Workforce Investment Board of Ventura County**

WIB MANUFACTURING COMMITTEE

2014-2015 Members

WIB Members: Bill Pratt, Chair (Kinamed, Inc.), Tavi Udrea, Vice Chair (Haas Automation, Inc.), Vic Anselmo (Applied Powdercoat, Inc.), Mark Fegley (Deckers Outdoor Corporation), Teresa Johnson (Ventura Adult and Continuing Education), Gregory Liu (Jaxx Manufacturing, Inc.), Alex Rivera (Milgard Manufacturing, Inc.), Tony Skinner (Tri-Counties Building and Construction Trades Council), Bruce Stenslie (Economic Development Collaborative-Ventura County)

Other Members: Cameron Bruce (Naval Air Warfare Center Weapons Division, US Navy), Marybeth Jacobsen (Simi Valley Chamber of Commerce), Subhash Karkare (Moorpark College), Joe Klocko (SCRC Deputy Sector Navigator), Byron Lindros (Amgen, Inc.), Larry McLaughlin (College of the Canyons and Deputy Sector Navigator), Jason Miller (California State University, Channel Islands), Tiffany Morse (Ventura County Office of Education), Ali Motamedi (Alcoa Fastening Systems), Scot Rabe (Ventura College)

Committee Accomplishments

In support of the WIB's *Ventura County Regional Strategic Workforce Development Plan 2013-2017*, the WIB Manufacturing Committee:

- Completed a high-impact, two-year collaborative effort between business and education with the launch of a new Biomedical Device Manufacturing Certificate of Achievement, the first two-campus certificate program in the Ventura County Community College District (and in the California community college system). First cohort of students awarded certificates in May 2015.
- Provided business perspectives on workforce needs for the development of a community college manufacturing skills readiness curriculum that would include hydraulics, mechatronics, and pneumatics; discussed the growing importance of manufacturing readiness skills in 3D printing and quality control.
- Identified the need for interdisciplinary education (e.g., mechatronics) to prepare for career flexibility and long-term success in manufacturing; learned about the importance of engineering within the three Navy Warfare Centers and the impact on other job creators in the region; emphasized cross-training middle and high school students in robotics, science, and engineering.
- Served in an advisory role and provided a neutral platform for facilitating employer interaction with educators in support of the California Career Pathways Trust Grants (*Alliance for Linked Learning* and *VC Innovates*) to develop curriculum aligned with manufacturing industry needs; responded to questions about the California Manufacturing/Engineering Pathways Standards and provided feedback on the Manufacturing and Engineering Career Pathways Career Ladder Chart; worked with industry liaisons on job shadowing, internships, on-the-job-training, summer internships, Entrée to Employment career dinner series, and site tours; suggested the development of additional applied learning curriculum related to production, maintenance and facilities, engineering, quality assurance, regulatory affairs, and supply chain positions.
- Partnered with the Manufacturing Roundtable of Ventura County (MRVC) and Amgen to organize a networking event for manufacturing professionals in Ventura County; included an Amgen presentation on Improving Manufacturing Operations Using Lean Six Sigma; plan to partner with city representatives on future MRVC manufacturing network events to foster engagement and collaboration on regional business and workforce issues.



2014-2015 YEAR-END REVIEW **Workforce Investment Board of Ventura County**

WIB MANUFACTURING COMMITTEE

Committee Accomplishments (Continued)

- Collaborated on planning for 2014 National Manufacturing Day with the MRVC, local manufacturers, and the Ventura County Office of Education (VCOE), an event to introduce careers in manufacturing to 300 students, teachers, counselors, and school administrators from 10 high schools in Ventura County and four other counties; expressed appreciation to the participating manufacturers: Alcoa Fastening Systems, Amgen, Inc., Applied Powdercoat, Inc., Dynamic Automation, Haas Automation, Inc., Kinamed, Inc., and Milgard Manufacturing, Inc.
- Provided a business/education communication platform for the new VC STEM Regional Network Grant funded by Amgen, led by California State University, Channel Islands, and supported by the P-20 Council; received updates on plans for Science, Technology, Engineering, and Math (STEM) regional networking to enhance K-16 education, beginning with elementary and middle schools.
- Discussed bimonthly updates from the Deputy Sector Navigator for manufacturing, representing the South Central Coast Regional Consortium of Community Colleges; topics included awarding of STEM robotics program funding for six schools in Ventura County, employer participation in a community college regional study on in-demand manufacturing jobs, and grants to help teachers develop curriculum and obtain new equipment for robotics and 3D printing manufacturing.
- Served as a point of coordination and reporting for Ventura County representatives to the six Pillar Committees (Workforce and Training, Supplier Networks, Research and Innovation, Infrastructure and Site Development, Trade and International Development, and Operations Improvement and Capital Access) of the Advanced Manufacturing Partnership for Southern California (AMP SoCal); leveraged professional networks to help connect educators with aerospace and defense manufacturers to support for federal grant proposals.
- Provided a letter of support in response to a request from the County of Ventura Department of Airports for a UC Berkeley-led federal Center of Excellence (COE) Unmanned Aircraft Systems Application; connected with the AMP SoCal Executive Council for a regional letter of support to help leverage the AMP SoCal preferential status for grant applications.
- Engaged in an informative maker space discussion regarding MAKE Ventura, a non-profit organization which provides access to tools and training for creating and building things; noted the potential opportunities for to collaborate with innovative thinkers and to connect business and education; recommended that the information be presented to the WIB, which resulted in the formation of a new WIB Innovation Ecosystem Workgroup.



2014-2015 YEAR-END REVIEW **Workforce Investment Board of Ventura County**

WIB MANUFACTURING COMMITTEE

Insights

- Continue our forward movement on getting different entities to collaborate and prevent the unnecessary duplication of staff time and system costs.
- Development of pre-apprenticeship programs should be a priority for us next year.
- Continue our forward movement to tie together the manufacturing education/training work that everyone is doing and support the development of a four-year engineering program at California State University, Channel Islands.
- Groups across the nation talk more about STEM than we do in Ventura County. STEM skills are an important entry point for manufacturing, and we need to demonstrate our support.
- Schools and businesses need to connect for more project-based learning experiences in support of common core standards.
- Job shadowing for teachers is a great way to convey the manufacturing career message to students, and more businesses need to be involved.
- Summer seminars are a good way to introduce teachers to different businesses and to skills for student hands-on learning.
- Consider building on the NASA HUNCH partnership concept and develop ways to enable local businesses to request student help to produce parts for local manufacturing projects.
- The Entrée to Employment dinner series have been a success. They bring a unique opportunity to engage education and business. Students from high schools, adult schools and community college participate in dynamic conversations with real-world employers.