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PIMA COUNTY WORKFORCE INVESTMENT BOARD

Friday, December 12, 2014, 7:30 a.m.

Holiday Inn Hotel & Suites
4550 S. Palo Verde Road
Tucson, AZ

Meeting Minutes

Members Present

Sandra L. Abbey
Linda Arzoumanian
Hank Atha
Steve Banzhaf
Duane Bock
Clarence Boykins
Vaughn Croft
Wilette C. Diggs
Deborah Embry
Peggy Feenan
Bruce W. Grant
Liz Gulick
Michael Guymon
Chris Hazen-Molina
Kari Hogan

Gregg Johnson
Dorothy Kret
Lee D. Lambert
Aric L. Meares
Sharon Mikrut
Arnold Palacios
Lea Márquez-Peterson
Beverly Price
Paul Roughton
Ramon Serrato
Alan Storm
Mike Verbout
Frank Watts, Jr.
James Zarling

Members Absent

Jacob Bernal
Rose Capono
Judy Clinco
Peg Harmon
Doug Jones
Marji Morris
Kim Murray
Jill Pearson
Carl Rosborbough
Julia Strange
Pamela K. Sutherland

Guests and Pima County Staff (114)

- I. **Call to Order:** 8:16 a.m., Paul Roughton, Chair, Pima County WIB
- II. **Pledge of Allegiance:** All
- III. **Welcome:** Hank Atha, Deputy County Administrator and WIB Member. Mr. Atha recognized and thanked the WIB for developing programs and working with the different industry sectors in our community and thanked everyone for being at the meeting to

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hear about our local workforce, workforce development, growth of business and good jobs in our community.

- IV. WIB Chair Message:** Paul Roughton recognized elected official and WIB member Linda Arzoumanian, Pima County School Superintendent and special guests who are also WIB members including Lee D. Lambert, Chancellor, Pima Community College; Lea Marquez-Peterson, President/CEO, Tucson Hispanic Chamber of Commerce; and Clarence Boykins, Executive Director, Tucson-Southern Arizona Black Chamber of Commerce. Paul Roughton also recognized and thanked WIB members, WIB committee members and Pima County One-Stop staff.
- V. 2014 Outstanding Youth of the Year** – Vaughn Croft announced nominees and Dana Katbah presented certificates to those present. Nominees included 2013 Southern Arizona Manufacturing Partners (SAMP) Internship Cohort (8 SAMP students) – nominated by Don Theriault, SAMP Spokesperson; Connie Tran, Tucson Youth Development (TYD) – nominated by Kathi Finrock, TYD; Nahrin Jabro, Las Artes Education and Arts Center – nominated by Margarita Nevermann, Las Artes; Geraldine Guillen, Community Outreach Program for the Deaf (COPD) – nominated by Charles “Chaz” McBride III, COPD; Marissa Amezcua, TYD - nominated by Karla Moreno, TYD; and Christina Genduso, Goodwill Industries of Southern Arizona – nominated by Julie Bednarek, Goodwill. Amber Warne, TYD, was not able to attend and the 2014 Outstanding Youth of the Year award was presented to Kyle Scanlon, TYD, who nominated Amber Warne.

2014 Outstanding Employer of the Year – Nominees included Reid Park Zoo – nominated by Goodwill Industries of Southern Arizona and SAMP – nominated by Gerri Brunson, Pima County One-Stop. The 2014 Award recipient was Walgreen’s and the plaque was accepted by a Walgreen’s representative. Walgreen’s was nominated by COPD.

Dana Katbah, Program Manager, announced that the Pima County Youth Summer Employment Program’s online and paper applications will be available January 23, 2015 and the deadline to apply is March 13, 2015. Employers are invited to contact Dana Katbah if interested in pledging jobs for the summer or other year round youth employment programs. Summer employment information will be available at <https://secure.pima.gov/summeryouth> and Dana Katbah may be contacted at 520-724-9640 or DKatbah@pima.gov.

VI. Science, Technology, Engineering & Math (STEM) Panel

Facilitator: DaNel Hogan, Director, STEMAZing Project, Office of the Pima County School Superintendent

Panel: * Sharon O’Neal, Software Engineering Director, Raytheon Company
* Jennifer Sedler, STEM Outreach and Equity, Women in Science and Engineering (WISE), UA Honors College Class of 2015

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- * Dr. Julia Olsen, Director, Teachers in Industry, University of Arizona
- * Paulina Acevedo, XIV Test Project Manager, IBM Systems and Technology Group

DaNel Hogan asked meeting attendees what STEM education means to them and to share their definition with a partner. She explained how so many people do not understand STEM and what it is. DaNel Hogan talked about what the STEMAZing Project is trying to accomplish in southern Arizona including establishing connections between the school, work place, community and global economy. The National Science Foundation's definition of STEM is that education at all levels in science, technology, engineering and mathematics develops, preserves and disseminates knowledge and skills that can make personal economic and social benefits. Higher education provides the advance work skills needed in an increasingly knowledge intensive, innovation focus economy and society. DaNel Hogan asked meeting attendees to make a two loop flyer with materials provided, toss it in the air and observe how the object worked. Then she asked everyone to engineer the object to make it better and improve its performance whether to make it fly straight, fly longer or do more tricks. DaNel Hogan explained that this hands-on activity is an example of one way of how we should be working with students of all ages.

DaNel Hogan mentioned southern Arizona programs that support STEM including the Joint Technical Education District (JTED) that partners with schools and employers; the Southern Arizona Research Science and Engineering Foundation (SARSEF) that is in its 60th year of engaging students in science and engineering projects; Teachers in Industry is a program that puts teachers in industry so they can get first hand experience and provide information back to the classroom; Arizona STEM Adventure that provides professional development to teachers; Arizona SciEnTeK-12 is the operating organization for the Southern Arizona Regional Science and Engineering Fair (SARSEF), which is a year-round educational outreach program that teaches and recognizes K-12 students' research and experience in the fields of science, engineering, technology and math; and the Tucson Festival of Books that is the only festival that has a focus on science literacy. Meeting attendees were encouraged to become a partner of Community Share by indicating an age level interested in, areas of expertise, and whether willing to speak to a class, mentor students, or be a science fair judge. The website is intended for teachers and volunteers to search and reach out for each other.

Strides are being made to increase early education interest in STEM and SARSEF is proof that focused efforts on elementary education are making a huge impact. In 2014, 49% of projects entered in the Science Fair were completed by elementary students.

Sharon O'Neal said she grew up in a home environment where she thought she would never have a professional career and her passion is to help other students who may be in the same situation that she was.

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Jennifer Sedler said she has been researching the gender gap in STEM in early childhood education and creating a STEM lecture series where she goes to schools to explain STEM and to get students excited about STEM.

Dr. Julia Olsen said she grew up on a farm with science all around her and it was a great place to learn to appreciate everything on the farm. She was the first in her family to attend college and grew up poor so she can really appreciate the challenges that students may go through if they are the first in their family to go to college.

Paulina Acevedo said she was fortunate to work part time at IBM while attending the University of Arizona full time. After graduating with a Management Information Systems degree she was offered a full time job at IBM. She started as a Software Engineer and is now a Project Manager for IBM's data storage devices.

The STEM Panel shared why they believe STEM education is important for southern Arizona and said we need to make sure students stay motivated in science and technology fields so we can provide better job opportunities and we need to keep them local to help economic growth; from the Teachers In Industry view, STEM education is an economic and lifestyle issue and it provides a good pool of local talent; and integrating STEM education at a young age helps bring out qualities in students as they grow and eventually enter the workforce.

The STEM Panel shared the work that is going on to support STEM and Raytheon has corporate programs that help global and local teachers; WISE offers an annual half day conference that is targeted for a specific age group with a theme and its purpose is to match students with mentors; Teachers In Industry impacts STEM education with their program that helps teachers build proficiency not only in content, but also in 21st century skills such as problem solving and collaboration in real-world industry work experiences; and IBM has programs to help keep students motivated in STEM fields.

The STEM Panel asked meeting attendees to consider being a mentor; to hire teachers during the summer; to impact and support students with their passion; and to visit the Donors Choose website that is a resource for local teachers to receive assistance.

VII. Next Meeting: Friday, January 9, 2015, 7:30 a.m., UA Tech Parks Arizona

VIII. Adjourned: 9:54 a.m.

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