



10<sup>th</sup> Annual  
CENTERS OF EXCELLENCE  
for CLEAN ENERGY AND CONSTRUCTION  
BEST PRACTICES SUMMIT

**Clean Tech: Washington's WISE Future**

Bates Technical College, South Campus  
May 28th & 29th, 2015

# Welcome

Welcome to the 10th Annual Energy and Construction Best Practices Summit, "Clean Tech: Washington's WISE Future" hosted by the Centers of Excellence for Clean Energy and Construction. This year we are proud to be celebrating the 10th anniversary of this innovative annual event that brings together the energy and construction industries, labor, educators and government to support workforce development initiatives across Washington and the Pacific Northwest region.

It's been an amazing year culminating with the award of the \$10 million Department of Labor TAACCCT Round 4 grant entitled - Washington Integrated Sector Employment (WISE) which is being led by three Centers of Excellence; Clean Energy, Construction and Advanced Manufacturing. Throughout this summit, attendees will be introduced to elements of the WISE project that will be developed, implemented and shared over the next three years.

Most importantly these Centers of Excellence align with Governor Inslee's Job Creation Initiative within the Clean Technology sector. We are thrilled to have Brian Young, Clean Tech Director for the Washington Department of Commerce, as our keynote speaker for this year's summit. Brian will discuss how clean technology companies can navigate Washington's political and economic landscape under the Governor's Executive Order 14-04: Washington Carbons Pollution Reduction and Clean Energy Action.



**Barbara Hins-Turner, Executive Director**  
Center of Excellence for Clean Energy  
A Centralia College Partnership

We are excited to bring back Matt Cutts, Critical Infrastructure Program Manager, U.S. Army Corps of Engineers – Portland District to continue the conversation started at last year's summit on the Cascadia Region Subduction Zone. The panel of subject matter experts will share new thinking and "best practices" that have evolved over the past year.

To keep abreast of the latest technologies, featured speakers and panelists will address Virtual Design + Construction, Sustainability and Safety as well as the latest in Social Media all of which support training and education within the classroom. In addition, the Washington State Labor Council will feature a panel of industry and labor experts within the apprenticeship training arena.

Most importantly, we continually hear from participants that the most valuable part of the summit is the opportunity to network and learn from each other. These conversations have resulted in ideas and partnership that have enhanced workforce training programs.

One of the primary indicators of our summit success is this year's line-up of sponsors and exhibitors. A very SPECIAL thank you to all of those new and returning sponsors that have contributed to the largest sponsorship in the history of the summit! Without your support the summit would not happen.

Thank you for joining us for the 10th annual event. Happy networking and learning!



**Shana Peschek, Director**  
Construction Center of Excellence  
Renton Technical College

## Governor Inslee's Executive Order 14-04: Washington Carbon Pollution Reduction and Clean Energy Action

Washington Governor Jay Inslee recently signed [Executive Order 14-04](#) outlining a series of next steps to reduce carbon pollution in Washington state and improve energy independence through use of clean energy. The Executive Order builds upon earlier studies and work groups to take action in seven key areas:

**Carbon emission** – Gov. Inslee has established a Carbon Emissions Reduction Taskforce to provide recommendations on the design and implementation of a market-based carbon pollution program.

**Coal-fired electricity imported from other states ("coal-by-wire")** – State agencies are directed to work with key utilities to reduce, and eventually eliminate, the use of electrical power produced by coal.

**Clean transportation** – The greatest percentage of carbon emissions come from cars, trucks and other transportation-related sources. The state Department of Transportation will lead an effort with other agencies and governments to promote strategies, policies and investments that support electrification of our transportation system, lower-emission multi-modal options, and clean fuels.

**Clean technology** – The state Department of Commerce will work with Washington State University and others on a program to develop and deploy new renewable energy and energy efficiency technologies, including those with an emphasis on solar power.

**Energy efficiency** – One of the most cost-effective strategies for reducing carbon emissions is to use energy more efficiently. The state Department of Commerce is directed to work with WSU and others to significantly improve the energy performance of public and private buildings.

**State government operations** – The state Department of Enterprise Services will lead efforts to achieve carbon reduction and energy efficiency improvements throughout state government including meeting goals established by Gov. Inslee's Results Washington.

**Carbon pollution limits** – The state Department of Ecology will review the state's greenhouse gas emission limits and recommend updates.



# \$10-million U.S. Department of Labor TAACCCT grant led by state's top industries

**A** dynamic consortium guided by three of the state's leading industries – energy, advanced manufacturing and construction – with support from organized labor, workforce development and eight community and technical colleges, has been awarded nearly \$10-million from the U.S. Department of Labor's Trade Adjustment Assistance Community College and Career Training (TAACCCT) round 4 grant. The project, called Washington Integrated Sector Employment (WISE), has been supported by the three industry sectors since the grant application process began in 2014.

Industry representatives from Puget Sound Energy, Avista, CIMTech, McKinstry, Abscher Construction, the City of Seattle, WSU Energy Program, IBEW Local 77, Northwest Laborers Training Trust, Spokane Area Workforce Development Council, and Washington State Labor Council make up the 11-member Executive Leadership Team that will continue to support and guide WISE and its projects to improve Washington's workforce. The team, chaired by Troy Nutter, Manager of Operational Training at Puget Sound Energy, will serve as a resource for partners to ensure grant goals are achieved. WISE will assist 1,992 adults including dislocated workers, veterans and spouses, women, and minorities.

It will prepare participants for employment in entry level, pre-apprenticeship and apprenticeship occupations within the cluster. It will address the unique needs of unemployed and under-employed workers using innovative and sophisticated strategies – such as navigators, programs to skill-up workers, and enhanced educational programs, to name a few.

"The three industry sectors form a cluster which requires common skill sets among the trades," Barbara Hins-Turner, Executive Director of the Center of Excellence for Clean Energy, said. "The WISE programs will articulate to pre-apprenticeship, apprenticeship, leadership in the trades and two applied bachelor programs offered within our community and technical college system."

The projects will be located within eight community and technical colleges and will include guidance from three Centers of Excellence: Clean Energy (as the lead) at Centralia College, Aerospace/Advanced Manufacturing at Everett Community College, and Construction at Renton Technical College.

Other colleges involved with WISE include Bates, Green River, Shoreline, South Seattle and Walla Walla.

"The Centers' ability to facilitate the long-standing industry-labor-education-government partnership is the keystone to leveraging the power of collaboration," Troy Nutter, chair of the WISE Executive Leadership Team, said.

"Statewide collaboration is essential to address workforce development concerns in all sectors now and well in to the future."

The Center of Excellence for Aerospace & Advanced Manufacturing will lead the Work Ready Washington and ACT's NCRC initiative.

The Construction Center of Excellence will lead the Credit for Prior Learning and Leadership in the Trades initiatives; and the Center of Excellence for Clean Energy will lead the WISE deliverables including tracking and reporting systems.

"Since their inception, Centers of Excellence have been at the forefront of our community and technical college system's strategy to better supply business and industry partners with highly skilled, workforce-ready graduates," Jim Crabbe, former SBCTC director of workforce education and lead in developing the centers, said. "Our centers convene stakeholders, problem solve, and disseminate their solutions to the 34 colleges in our system, sharpening Washington's competitive edge. It has been a journey of continuous improvement over the past 10 years and the sky is the limit."



**8:00 – 9:00 a.m.**

**Registration • Building E, Auditorium**

Register, enjoy a continental breakfast and visit vendor displays.

**9:00 – 9:10 a.m.**

**Opening Ceremony • Auditorium**

National Anthem, Treonna Lee, Bates Technical College

**9:10 – 9:30 a.m.**

**President's Welcome • Auditorium**

Dr. Ron Langrell, President, Bates Technical College

**Recognition of Elected Officials**

Barbara Hins-Turner, Executive Director, Center of Excellence for Clean Energy, Centralia College

**Event Moderators:**

Barbara Hins-Turner, Executive Director, Center of Excellence for Clean Energy, Centralia College

Shana Peschek, Director, Construction Center of Excellence, Renton Technical College

**9:30-10:15 a.m.**

**Opening Keynote • Auditorium**

*Clean Tech: Washington's WISE Future* by Brian Young, Director of Economic Development for the Clean Technology Sector



Brian Young brings diverse strategic and operational experience to his role as Governor Inslee's Clean Technology Sector Lead. He is the point of contact for clean technology companies who want to navigate Washington State's political and economic landscape. He is focused on developing a prosperous and varied clean

tech sector based on the state's existing strengths. Prior to joining the Department of Commerce, Brian worked in a variety of clean tech industries. After serving as an officer in the United States Navy, he joined an early stage biofuel start-up that grew into Imperium Renewables, the largest independent biodiesel producer in the U.S. After Imperium, Brian created Element Strategic Partners, a clean tech consultancy that led the development of the Washington Clean Energy Leadership Council and worked internationally on sustainability and carbon issues. In 2011, he became a business development manager for a Tri-Cities engineering firm working on nuclear remediation efforts at Hanford and elsewhere within the Department of Energy complex. Brian graduated from Georgetown University's School of Foreign Service with a degree in Science, Technology, and International Affairs. In the winter, you can find him on the slopes at Alpentel, where he is a member of the Volunteer Ski Patrol.

**10:15 – 10:45 a.m.**

**Break • Building E, Atrium**

Visit Vendor Booths

**10:45 – 11:00 a.m.**

**Summit Feedback • Auditorium**

Survey Instructions

Jennifer Ferrero, Switch Up Web & Marketing

**11:00 – Noon**

**Virtual Design and Construction • Auditorium**

**The Future of the Construction Industry**

Hear from experts on how technology is changing the industry. Virtual Design and Construction is the key to resolving discrepancies within design related documents to improve construction efficiencies. The impacts of technology from design to build and what that means for the workforce.

Shana Peschek, Director, Construction Center of Excellence

Trevor Lunde, Integrated Design Engineer, LEED Green Associate, GLY

**Noon – 1:00 p.m.**

**Lunch • Building A, Dining Room**

Dr. Robert Topping and Oregon City High Students  
Vendor Remarks from Platinum Sponsors

**1:15 – 2:00 p.m.**

**Plenary - Work Ready Washington • Auditorium**

Rapid global advances in industry and technology increase the pace of change facing Washington employers. The challenge and the opportunity are the same – to build and maintain a skilled workforce that can readily adapt to market demands. To do so, Washington employers need an objective method to measure and document essential skills related to employment. Learn how Work Ready Washington is addressing this challenge.

**Moderator:**

Mary Kaye Bredeson, Executive Director, Center of Excellence for Aerospace and Advanced Manufacturing

**Panelists:**

Debra Lyons, VP Community & Economic Development, ACT  
Jason Cameron, Manager PowerPathway Program™, Pacific Gas & Electric Company

**2:15 – 3:00 p.m.**

**Breakout Sessions • Various Locations**

**Building Work Ready Communities: National Career Readiness Certification (NCRC) Panel • Auditorium**

Washington State has joined the national ACT Work Ready Community movement with the Work Ready Washington Initiative. Work Ready Washington uses a community based framework that links workforce development to education,



aligns with economic development needs and matches individuals to jobs based on skills. In this session, hear from Washington employers on how the ACT® National Career Readiness Certificate (NCRC) has changed the hiring process, helped identify quality applicants, and assisted in placing the right person in the right job.

**Moderator:**

*Dawn Karber*, Chief Operating Officer, Spokane Area Workforce Development Council

**Panelists:**

*Jason Cameron*, Manager PowerPathway Program™, Pacific Gas & Electric Company

*Stephanie Dunn*, HR Administrative Coordinator, Cowlitz County

*Traci Jackson*, Asst. Clerk of the Board, Cowlitz County

*Mary Kaye Bredeson*, Executive Director, COE Aerospace and Advanced Manufacturing

**Technology, Sustainability and Safety • Room E101A**

How are you sustaining your people? A new approach to the Environment, Safety, and Wellness and how to integrate it in education, training and the future of workforce development.

*Yancy Wright*, CEO, ALTERNAVIDA

*Shana Peschek*, Director, Construction Center of Excellence

**3:00 – 3:30 p.m.**

**Break**

**3:30 – 5:00 p.m.**

**Apprenticeship in Washington State • Auditorium**

What is apprenticeship? What is happening in Washington

State to recruit, train and support apprentices? What are apprenticeship coordinators looking for in quality candidates and how can Washington State's education system support this educational pathway? The panel experts will provide you with the answers to these questions and more.

**Moderator:**

*Kairie Pierce*, K-12/Apprenticeship/College Director, Washington State Labor Council, AFL-CIO

**Panelists:**

*Jody Robbins*, Apprenticeship Consultant, Department of Labor and Industries, Apprenticeship Section

*Jeremy Gall*, Training Manager, Avista

*Randy Ambuehl*, Training Director, IBEW Local 191

*Lee Newgent*, Executive Secretary, Washington State Building and Construction Trades

*Anne Wetmore*, Registered Apprenticeship College Consortia (RACC)

**5:00 – 7:00 p.m.**

**Networking and Northwest Dinner  
Building A, Dining Room**

**Evening Welcome**

*Dr. Joe Dolezal*, Chair, Board of Trustees, Centralia College

**Scholarship Auction**

*Jim Stanaway*, Auctioneer

## Why Centers of Excellence?

In 2004/05, the Washington State Board for Community and Technical Colleges (SBCTC) selected 10 Centers of Excellence to serve as economic development drivers for the state's leading industries.

The Centers, which were placed on community and technical college campuses through a competitive application process, were codified into state statute in 2009 (WA HB1323) making Washington the only state in the country to have centers designated through legislation.

Guided by industry, the Centers serve as a point-of-contact and resource hub; and have become a national model for their impact on workforce education, ties to industry, economic development, professional development opportunities and regional outreach.

Collectively, the Centers have brought more than \$70 million in grants and industry funding into the state.

The Center of Excellence for Clean Energy has a proven progression of leadership in managing state and federally funded grant projects of more than \$30 million during a 10-year period. Such grants include the nearly \$10 million U.S. Dept. of Labor TAACCCT round 4; \$5 million, leveraged to \$12 million, from the U.S. Dept. of Energy ARRA; and others from the U.S. Dept. of Commerce; the National Science Foundation; and industry contracts such as Northwest Energy Efficiency Taskforce (NEET).

# Day 2 • May 29, 2015

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

**Continental Breakfast & Networking • Building E, Room E104**

**9:00 a.m.**

**Welcome • Auditorium**

*Pat McCarty*, Power Generation Manager, Tacoma Power, Center of Excellence for Clean Energy Advisory Board Chair

**Debrief Day 1 • Auditorium**

*Barbara Hins-Turner*, Executive Director, Center of Excellence for Clean Energy, Centralia College  
*Shana Peschek*, Director, Construction Center of Excellence, Renton Technical College

**9:45-10:00 a.m.**

**Break • Visit Vendors**

**10:00-11:30 a.m.**

**Opening Keynote and Panel Moderator • Auditorium**

*Matt Cutts*, Critical Infrastructure Program Manager, U.S. Army Corps of Engineers - Portland District; Planning, Programs and Project Management Division



Matthew Cutts is interested in the application of public policy theory to achieve measurable risk reduction and increased infrastructure resilience to address a wide range of natural and man-made emergencies with an emphasis on low probability, high consequence events, especially Cascadia Subduction Zone earthquakes.

Mr. Cutts retired as a Captain in the U.S. Coast Guard and became the U.S. Army Corps of Engineers Portland District Critical Infrastructure Program Manager in 2010. In this position, he formulates and executes strategies and plans to maintain and recapitalize U.S. Army Corps of Engineers Portland District infrastructure valued at over \$4 billion, including 22 harbors along with associated jetties and channels, 20 dams, four navigation locks, 33 recreation areas, and four visitor centers.

He is a registered professional engineer, and holds an M.A. in Security Studies from the Naval Postgraduate School, an M.S. in Civil Engineering from the University of Illinois at Urbana-Champaign, and a B.S. in Marine Engineering from the Coast Guard Academy.

**Subject Matter Expert Panel • Auditorium**

It has been a year since we gathered to get an assessment of our region's readiness for a Cascadia subduction zone earthquake and tsunami. The terrible events in Nepal that happened this April have once again reminded us of the gargantuan forces unleashed by earthquakes resulting in thousands of lives lost. This panel will discuss new energy and construction technology that will enable the Pacific Northwest to become a more disaster resilient region.

**Panelists:**

*Andre R. Barbosa, Ph.D., P.E.*, Assistant Professor and Kearney Faculty Scholar, School of Civil and Construction Engineering, Oregon State University  
*Louise Petruzzella*, Director - Clean Energy Technology & Entrepreneurship Program, Shoreline Community College  
*Leon Kempner, Jr., P.E., Ph.D., FSEI*, Principal Structural Engineer, Bonneville Power Administration

**11:30 - 12:00 p.m.**

**Breakout Session • Auditorium**

**Social Media Panel**

Social media is here to stay, but how do we maximize its impact? Find out about current trends for Facebook, Instagram, Twitter and LinkedIn and how to use them in a professional setting to maximize your marketing efforts!

**Moderator:**

*Mary Kaye Bredeson*, Executive Director, Center of Excellence for Aerospace and Advanced Manufacturing

**Panelists:**

*Jennifer Ferrero*, President, Switch Up Web & Marketing  
*Ricardo Ibarra*, Creative Director, TRIO Native American Enterprises

**12:00-1:00 p.m.**

**Lunch Options**

**Lunch & Social Media Assignment • Auditorium**

**Energy Educators Association Meeting • Building A, Room E104**

**Summit Concludes**

## Randy Ambuehl

*Training Director, Northwest Washington Electrical Industry Joint Apprenticeship and Training Committee (JATC)*

Randy Ambuehl has served as Training Director for the Northwest Washington Electrical Industry Joint Apprenticeship and Training Committee (JATC) since 2003. He was born in Tacoma, WA and lives in Birch Bay, WA. He completed an IBEW/NECA Inside Wireman apprenticeship in 1979 and has worked as an electrician in a variety of positions, from apprentice to project superintendent, on construction projects in five states, ranging from houses and condominiums to power generation stations, microchip plants and oil refineries. He has previously served the International Brotherhood of Electrical Workers (IBEW) in a number of elected local union positions, including Business Manager of Local Union No. 291, and has represented the IBEW on Code Making Panel No. 1 for the National Electrical Code. He has also been a JATC committee member and an apprenticeship classroom instructor. He currently serves as a member of the Executive Board of IBEW Local Union No. 191, representing Whatcom County.

## Andre R. Barbosa, Ph.D., P.E.

*Assistant Professor and Kearney Faculty Scholar, School of Civil and Construction Engineering, Oregon State University*

Dr. Barbosa joined Oregon State University from the University of California San Diego (UCSD). Before his Ph.D., he worked for 7 years as a designer. His industry experience in design of buildings and bridges, prior to joining Oregon State University, serves as the foundation for his current research and teaching interests that spans different materials (reinforced concrete, steel, masonry, and timber). His work addresses development and testing of structural components and systems as well as estimation of structural performance under earthquake, tsunami, and fire hazards. Since joining OSU, Dr. Barbosa participated in the development of the Oregon Resilience Plan, participated in the an earthquake reconnaissance effort following the 2014 South Napa Earthquake in California, and is a developing Assessment, Coding, and Marking guidelines of highway structures following extreme events.

## Mary Kaye Bredeson

*Executive Director, Center of Excellence for Aerospace and Advanced Manufacturing, Everett Community College*

Mary Kaye Bredeson is the Executive Director for the Center of Excellence for Aerospace and Advanced Materials Manufacturing. The Center of Excellence for Aerospace and Advanced Materials Manufacturing, a liaison and resource for 34 Community & Technical Colleges (CTC's) in Washington, has a dedicated and growing team of professionals working to enhance collaboration and communication between industry and education. As a statewide Center of Excellence (COE) we focus on a targeted industry that drives the state's economy and is built upon a reputation for fast, flexible, quality education and training programs. The Center of Excellence is guided by industry representatives to lead collaborative and coordinated statewide education and training efforts to build a competitive workforce in a global economy.

Mary Kaye sits on the National Board of Trustees for the American Technical Education Associate, Workforce Snohomish and the Board of Director's for the Future of Flight. In 2013 she received the 2013 Idahlynn Karre Exemplary Leadership award from the Chair Academy for Leadership.

## Jason Cameron

*Manager, PowerPathway Program™, Pacific Gas and Electric Company*

Jason Cameron serves as a Manager for PG&E's nationally recognized PowerPathway™ program, an innovative collaboration between local colleges, the public workforce development system, and unions to enlarge the talent pool of qualified candidates for entry-level opportunities in utilities. Mr. Cameron leads a team of program managers responsible for finding the right candidates to fulfill PG&E's operational needs, with a proven track record for successfully developing and maintaining partnerships with government, education, non-profit, and other groups. He is responsible for leading the first direct placement programs within PG&E's Gas Operations and Customer Service lines of business, and has also assisted in the coordination and strategic planning for the California Energy and Utility

# Biographies

Workforce Consortium (CEUWC), an industry group focused on educating and informing potential utility worker candidates.

When he joined PG&E in 2013, Mr. Cameron brought nearly a decade of experience as a project supervisor and program manager. Previously, Mr. Cameron served as a vocational employment specialist and program coordinator for San Jose/Evergreen Community College District for four years, where he evaluated and deployed workforce development programs for the Workforce Institute. In this capacity, Mr. Cameron developed innovative and industry-validated training programs to meet the needs of partners such as the PowerPathway Bridge to Utility Worker, Energy Efficiency Business Development and Integrated Energy Solutions. In addition, Mr. Cameron was responsible for successfully garnering state grants with total budgets of over \$2.4 million.

Prior to joining the San Jose/Evergreen Community College District, Mr. Cameron served as a Director of Development and Public Relations for Advocates Against Family Violence, Inc., where he managed development projects, programs and special events for domestic violence prevention efforts.

Mr. Cameron holds a Bachelor's degree in Criminal Justice Administration from Boise State University and a Master's of Business Administration from Northwest Nazarene University. He is fully bilingual in Spanish and English.

## **Joe Dolezal, O.D.**

*Centralia College Trustee Chair, Centralia College*

Dr. Dolezal has served on the Centralia College Board since 1997 and has been an optometrist with Innovations in Eye Care since 1981. In Dr. Dolezal's personal life, he is active in Community Affiliations like Centralia Rotary Club and Centralia Lions Club. Dr. Dolezal is also a board member of the Centralia High School Vocational Education Advisory Board, Coordinator for the Centralia Walk 'N Knock Food Drive, and a member of the Southwest Washington Dance Center, and was a member of the Centralia Performing and Fine Arts Council. He also volunteers in Optometric

Services to Humanity, making service trips to Honduras, Ecuador, Malawi, and Thailand.

## **Jennifer Ferrero**

*President, Switch Up Web & Marketing*

Jennifer Ferrero has 18 years of experience in marketing/communications with a strong emphasis in web development. She loves to tell a story and does so through a variety of mediums. From developing websites, writing corporate books, manuals and materials to selling ideas through community involvement, her forte is in organizing ideas that incite action, excite the reader, sell a product, or communicate an idea. Jennifer earned a BA in Communications at Boise State University in 1997, a certification in Business Coaching and Mentoring in 2014 and a certification in Inbound Marketing in 2015. She is a youth mentor through Boy Scouts of America and business representative with the Spokane Valley Career and Technical Education Advisory Council.

## **Jeremy Gall**

*Training and Development Manager, Avista*

Jeremy leads a team in the design, development and implementation of craft and technical training for Avista's electric and gas utility operations across Washington, Oregon and Idaho. As part of this role, he manages Avista's 12 apprentice programs and the Avista-Spokane Community College Lineworker School. Jeremy currently serves as an advisory board member for the Pacific Northwest Center of Excellence for Clean Energy. Jeremy's background includes being a training manager at AT&T and instructor in the U.S. Navy's nuclear power program.

## **Barbara Hins-Turner, M.B.A.**

*Executive Director, Pacific Northwest Center of Excellence for Clean Energy, Centralia College*

Barbara Hins-Turner was appointed to the Washington State Community and Technical College system as

# Biographies

Executive Director of the Center of Excellence for Clean Energy at Centralia College in 2005. Previously, she was employed by Portland General Electric/Enron for 10 years as Corporate University Director and Apprenticeship Coordinator.

Hins-Turner is the Principal Investigator (PI) for the Washington Integrated Sector Employment (WISE) \$10-million U.S. Department of Labor TAACCCT Round 4 grant and serves on steering committees for National Science Foundation (NSF) clean energy grants awarded to Bellingham Technical College, South Seattle Community College and Spokane Falls Community College. She was PI for the U.S. Department of Energy Workforce Training for the Electric Power Sector grant (\$5 million; leveraged to \$12 million); PI for the U.S. Department of Commerce grant to create the Academy of Energy Entrepreneurs; and Co-PI for Edmond's Community College NSF Energy Management grant.

Ms. Hins-Turner earned a bachelor's and master's degree in Business Administration, Marylhurst University, Portland, Ore.; graduate level certifications as Master Facilitator, Oregon State University; Professional Development, Eastern Oregon University; and International Management, Concordia University, Portland, Ore.

## Ricardo Ibarra

*Creative Director, TRIO Native American Enterprises*

Ricardo Ibarra prides himself on crafting unique and compelling creative solutions for clients of all types. While earning his Bachelor of Science in Biology at the University of Washington, Ricardo nurtured his love for creative work and honed an approach to design informed by his scientific background. As Creative Director, Ricardo brings his decade of experience to Trio in a wide variety of roles, ranging from content producer to art director, brand builder to marketing consultant. He is a creative jack-of-all-trades, helping to guide and shape each project from conception to delivery.

## Dawn Karber

*Chief Operating Officer, Spokane Area Workforce Development Council*

Dawn Karber brings over 15 years of professional experience in employment and training programming, with positions in both the private and public sector. In her current role, she is responsible for ensuring the success of the Spokane Area Workforce Development Council's community investments, the Work Ready initiative in Spokane County, and the region's adult and youth one-stop career centers and 15 affiliated sites.

## Leon Kempner, Jr., P.E., Ph.D., FSEI

*Principal Structural Engineer, Bonneville Power Administration*

Dr. Kempner has over 41 years of experience as a structural engineer for the Bonneville Power Administration, USDOE. Assignments have included structural engineering analysis, design, assessment, and research of transmission line facilities (transmission line towers, substation and microwave structures, and seismic upgrade high-voltage transmission line facilities). In the last 20 years Dr. Kempner has been performing seismic evaluation, research, qualifications, standards development, and mitigation design of the Bonneville Power Administration transmission line facilities.

## Ron Langrell, Ph.D.

*President, Bates Technical College*

Ron Langrell was appointed president of Bates Technical College in July 2012. He brings more than 30 years of higher education experience, including postsecondary service in the roles of Chief Academic Officer, Chief Workforce and Economic Development Officer, and Chief Student Affairs Officer, all at two-year institutions in the western United States.

In addition to his postdoctoral study with the Institute for Educational Management at Harvard University, Dr. Langrell has been acknowledged nationally as an Exemplary Leader by The Chair Academy and as

# Biographies

a Distinguished College Administrator by the Phi Theta Kappa Honor Society. In Washington State, Dr. Langrell has been elected into leadership roles with the Continuing Education Council, the Workforce Education Council, and the Partnership for Rural Improvement. Dr. Langrell currently serves on the national Board of Trustees for the American Technical Education Association (ATEA).

## Trevor Lunde

*Integrated Design Engineer, GLY*

Trevor started his design career at a young age while interning for an architecture firm during high school. Not only does he bring his design and technical expertise to GLY, he also has vast experience as a project manager and construction administrator. His professional career has been divided equally between design studios, managing architectural teams, and managing construction projects in the field. Proficient in design and programming, Trevor comes to GLY from the architectural community and provides an unleveraged ability to solve problems on the go. Currently Trevor focuses his time on high rise concrete design and dedicated bio science environments.

## Debra Lyons

*Vice President of Community and Economic Development, ACT/Work Ready Washington*

Debra Lyons serves as Vice President of Community and Economic Development for ACT, Inc. In this position, she leads a national effort to provide community based workforce solutions to states to drive economic growth and greater productivity. Lyons is the chief architect for ACT Work Ready Communities, a unique opportunity ACT, as a 501c3 public trust, provides to all states. ACT Work Ready Communities is a data driven approach designed to link education and workforce development, align to economic development and match people to jobs. She oversees the initiative now active in twenty three states and scores of counties. Lyons also serves as Executive Director to the National Workforce Solutions Advisory Board, an organization of c-level

business leaders who provide guidance on ACT Work Ready Communities. Most recently ACT Work Ready Communities was the recipient of the International Economic Development Council's Human Capital Award – Populations greater than 500,000 in October 2014. She holds a bachelor's degree in chemical engineering and a master's degree in mechanical engineering.

## Pat McCarty

*Power Generations Manager, Tacoma Power and Center of Excellence for Clean Energy Advisory Board Chair*

Pat is responsible for all power generation activities of Tacoma Power including operations, maintenance, licensing and regulatory compliance, and public safety for Tacoma's seven dams and eight powerhouses, along with the associated fish hatcheries, and parks as well as the environmental obligations associated with tens of thousands of acres of lands and reservoirs. Pat joined Tacoma Power in 1979 as a Civil Engineer and was appointed Generation Manager in 1996. He holds a B.S. in Civil Engineering from St. Martin's University and is a licensed professional civil engineer.

Pat is currently Chair of the Advisory Board of the Pacific Northwest Center of Excellence for Clean Energy at Centralia College and serves as a Board Member and vice-chair of the Hydraulic Power Committee of the National Hydropower Association.

## Lee Newgent

*Executive Secretary, Washington State Building Trades*

Lee has served an apprenticeship with The Ironworkers local 86. He has worked as a Foreman, General Foreman and Superintendent. He has worked at his trade in five different countries including the continent of Antarctica. Lee has been active in the Disaster Response Community and is the Labor Co-Chair of the Fire Incident Response Skilled Trades (FIRST) Committee in partnership with the Seattle Fire Department. Lee was also a volunteer for the Ironworkers at the World Trade Center and other disaster sites.

# Biographies

He is currently the Executive Secretary of the Washington State Building Trades Council. Lee represents 60,000 Union Craft workers in Washington State.

Lee is the Co-Chairman of the Washington State Apprenticeship Council and has been recognized as one of the industry leaders in recruiting and retaining women and people of color.

He also serves on the King County WDC and the State Workforce Board He is active as a lobbyist for many different Apprenticeship and Building Trades issues.

Lee works with local Anti-Gang programs and coaches sports in the inner city.

## Shana Peschek, M.B.A.

*Director, Construction Center of Excellence*

As director of the Construction Center of Excellence, Shana links industry to the community college system in Washington State for the purpose of coordinating education and training efforts to build a competitive workforce in a global economy. With four priorities: Economic Development, Industry Sector Strategy, Workforce Supply and Demand, and Education, Innovation and Efficiency, the Center is positioned to sustain Washington's competitive advantage through statewide leadership. The Center supports curriculum development, career pathway development and professional development for faculty. The Center also plays an integral role in supporting the development of stackable credentials and Applied Baccalaureate degree programs in the Community/Technical College programs. Shana is also a National Chair for the United States Green Building Council Community Green Program, as well as member of numerous advisory boards and workforce focused committees. When not working she enjoys hiking, backpacking and mountain biking with her husband and three teenage sons.

## Louise Petruzzella

*Director, Clean Energy Technology & Entrepreneurship Program, Shoreline Community College*

Louise Petruzzella is an Adjunct Faculty member with Shoreline Community College and also serves as the Director of the Clean Energy Technology & Entrepreneurship program. She has been teaching in higher education for 15 years and loves her job! She lived in Seattle for almost six years and finds the Pacific Northwest stunningly beautiful. She enjoys traveling, horseback riding, motorcycles, and surfing. She considers herself a lifelong learner and is intrigued by scientific innovation and discovery.

She is also a graduate of the Clean Energy Technology program and happy to be part of the program's ongoing success and development. She is fascinated by Renewable Energy technologies but believes the first steps, prior to deploying solar installations or constructing wind turbines, should be conservation and energy efficiency measures. The opportunity to educate the public about changing wasteful behaviors will have a greater impact on reducing carbon emissions and minimizing one's carbon footprint.

## Kairie Pierce

*K-12/Apprenticeship/College Director, Washington State Labor Council*

Kairie Pierce has worked for the Washington State Labor Council, AFL-CIO for 24 years. She helped manage the workers' compensation program for the first 16 years. She was promoted to the position of Community and Technical College Labor Liaison in 2005. She worked with all of the community colleges in Washington State, outside of the King County area. Part of her responsibilities included recruiting labor members within the community college's vicinity to serve on their advisory committees. January 2010, she was promoted to the K-12 Apprenticeship Director position. The position was federally funded and focused on promoting apprenticeship opportunities and preparation to the counselors, teachers, students and parents within Washington State's K-12 system.

# Biographies

Her current position is K-12/Apprenticeship/College Director where she blends two of her working passions of apprenticeship and education.

Kairie served on the Pacific Northwest Center of Excellence for Clean Energy Advisory Board, Dept of Energy ARRA Grant Governance Board and Educational Taskforce. She is a member of the Pacific Mountain Workforce Development Council and Washington's HB2227 Evergreen Jobs Leadership Team advising the governor and legislature on ARRA funding. Kairie and her husband Kevin live in Olympia, WA with their daughter Taylor, age 22 and their son Spencer, age 20.

## Jody Robbins

*Apprenticeship Consultant, Apprenticeship Sector, Department Of Labor and Industries*

Jody Robbins is the Apprenticeship Consultant 4/technical specialist for our state's registered apprenticeship system. Jody came to the state regulatory agency from the Western Washington Sheet Metal apprenticeship program where he served as a full-time instructor and education coordinator. Prior to that, he was instrumental in creating and implementing the successful Pathways to Apprenticeship workshop for K - 14 educators. He has completed an apprenticeship in Sheet Metal, a B.S. in Secondary Education and a B.A. in Labor Education.

## Dr. Robert "Bob" Topping, Ed.D.

*Director for Strategic Partnerships, Regional Education and Training Center (RETC)*

Bob Topping is charged with identifying and qualifying key workforce core-competencies that drive regional economic and talent development. His focus at RETC aligns with his doctoral dissertation which addressed state-of-art designs for workplace learning, career education and workforce talent development. Bob has worked to develop, organize and implement multiple broad-based industry-based initiatives to drive creativity and innovation in local industry for regional economic development, two of which were awarded a "Center of Excellence" recognition. Beyond his 20 years

of experience at the collegiate level, he also brings 21 years of hands-on-experience in the construction industry, holding a variety of positions ranging from apprentice to project manager.

Bob has served higher education as an Executive Director, Campus Administrator and Department Chair. Through effective collaboration and strategic partnerships, Bob has been instrumental in connecting Career and Technical Education (CTE) to industry, advancing student enrollment and developing innovative training models all of which have received national recognition.

## Anne Wetmore MPA

*Workforce Development Consultant, Wetmore and Associates*

During the past 25+ years, Anne Wetmore has been passionate in her work promoting career pathways in multiple industries and diversity through the registered apprenticeship system at the (ANEW) pre-apprenticeship program, Apprenticeship Opportunities Project, Seattle Public Utilities, WA State Dept. of Labor and Industries Apprenticeship and the US Dept. of Labor, Office of Apprenticeship's WA and OR States Director. Since retiring last year, she has been consulting with the American Apprenticeship Initiative, including the Registered Apprenticeship College Consortium (RACC), and is currently working also with joint labor-management training partnerships and community colleges to expand registered apprenticeship. She is proud to have received her Masters of Public Administration from the UWA Dan Evans School of Public Affairs. Anne is also very proud to be the President and co-founder of Julian's Dinosaur Guild, a Seattle Children's Hospital Guild, raising funds and supporting research on bone marrow disease in children leading to "making aplastic anemia extinct". Anne does take time to enjoy retirement both while living in Seattle on the waterfront as well as doing some traveling and catching up with family and friends and also doing a little of nothing.

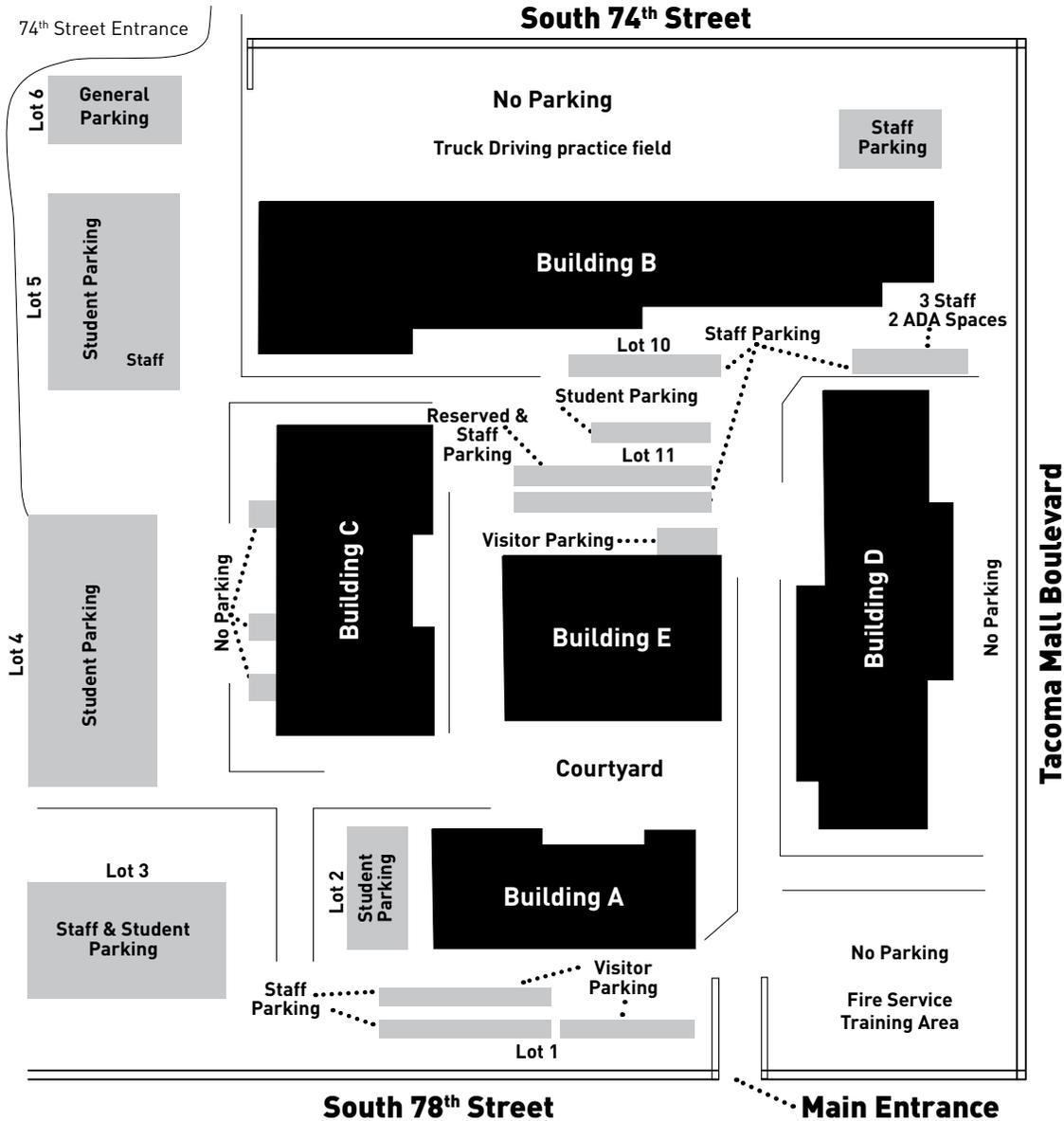
# Biographies

## **Yancy Wright**

*CEO, ALTERNAVIDA*

Yancy is a visionary leader who has spent the past 11 years in the commercial construction industry, serving as a catalyst for behavior change around green building practices. Yancy's work as a nationally-recognized consultant, educator, and panelist resulted in training over 2,500 builders across the US and authoring extensive green building curriculum. With a Master's degree in Architecture, his experience has ranged from construction management to overseeing over 40 LEED certified commercial building projects for clients including the Bill & Melinda Gates Foundation, Microsoft, GSA, Amazon, University of Washington, and others. Recognizing that behavior change is the root of sustainable living (in harmony with nature), Yancy left Sellen Construction in 2013 to start up and build Alternavida, a destination retreat center for healthier, happier, sustainable living.

# LOCATION DETAILS



## South Campus

2201 South 78th Street, Tacoma, WA  
 253.680.7400 | [www.bates.ctc.edu](http://www.bates.ctc.edu)

Bates Technical College is an equal opportunity and non-discriminatory employer and educational institution. CM2013



# Thank you to the 2015 Planning Committee!



## 2015 Summit Planning Team

Kristi Grassman, Event Coordinator

Sean Bagsby, IBEW Local 46

Kairie Pierce, Washington State Labor Council

Lin Carlton, Construction Center of Excellence

Caryn Fosnaugh, Bates Technical College

Susan Hoyne, Shoreline Community College

Sara Bowles, Center of Excellence for Clean Energy

# Thank you

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## PLATINUM



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Puget Sound Electrical Apprenticeship Joint Apprenticeship & Training Committee

Northwest Washington Electrical Industry Joint Apprenticeship & Training Committee

Pacific Mountain Workforce Development Council

Workforce Central

Workforce Snohomish

## GOLD



Washington State Building & Construction Trades

## BRONZE



City of Tacoma LEAP

Klein Educational Systems

Sierra Club

Northeastern University

Residential Services Electrical and Plumbing

West Seattle Natural Energy



Northeastern University  
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