



Impacts of New Technologies On Our Regional Workforce

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The Challenges of Our Time

Balancing Security, Prosperity, and the Environment

**Safety and
Security**



**Economic
Competitiveness**



**Environmental
Sustainability**



A Strategy for Job Creation and Improved Earnings

**Jobs, Wages, and
Standard of Living**

Productivity*

**Innovation and
Entrepreneurship**

Talent

Investment

Infrastructure

*Improving Productivity will require more innovative uses of existing resources.



Drivers of Economic Development

Talent (Increase Attainment)

- Build Capacity
- Align Programs
- Student Support Services
- Increase Completions

Labor Market Studies
Cohort Tracking
Skills Analysis

Investment

- Public Investment
- Private Investment
- Direct Foreign Investment

Economic Impact Studies

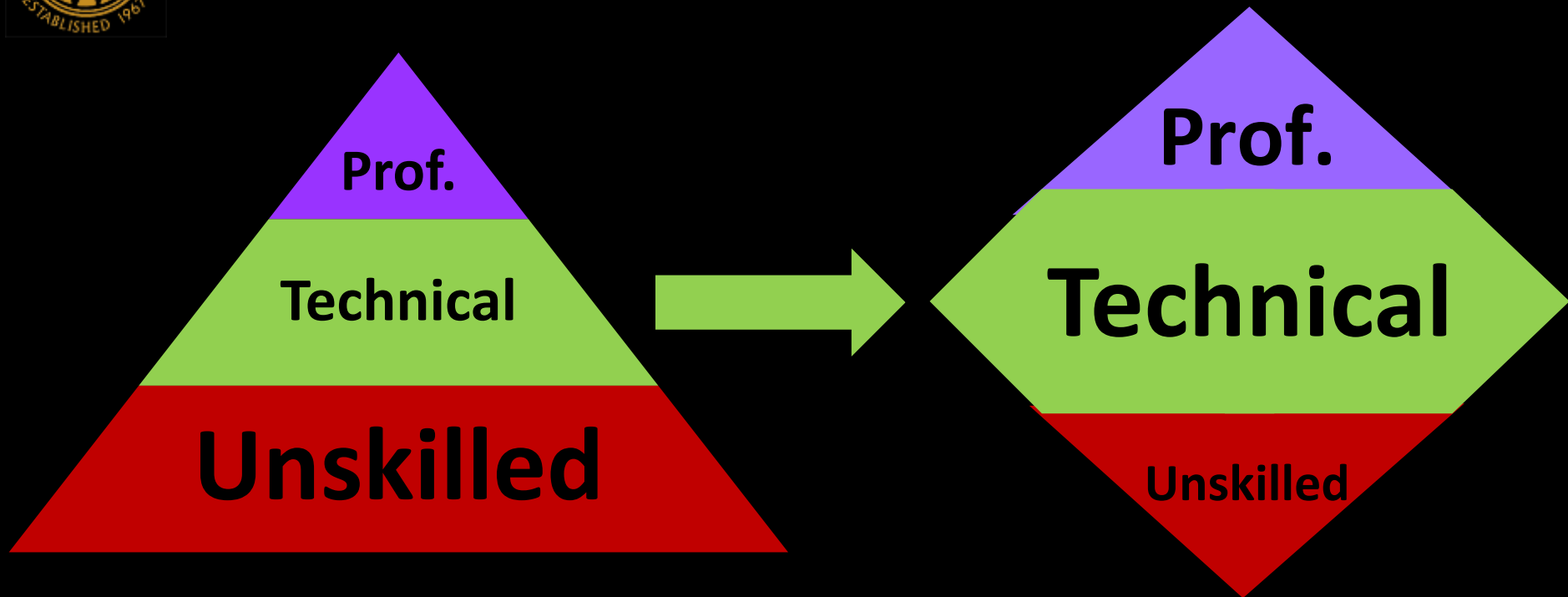
Infrastructure

- Information
- Energy
- Transportation
- Water
- Waste Management
- Regulations
- Tax Policy

Cluster Studies
Labor Market Studies



Make Talent A Top Priority



1. Increase higher education attainment rates from 37.9 percent to 60 percent by 2025.
2. Emphasize STEM and other high-demand programs.
3. Accelerate learning.



Future Higher Education Needs

Percentage of United States citizens with higher education credentials

2000 – 2011

#1 in the world

2012

#12 in the world

Source: Organization for Economic Cooperation and Development

Percentage of jobs that require a college credential

2009

62% of jobs will require college credential

100%

2020

75% of jobs will require college credential

100%

2012: Despite high unemployment, jobs are going unfilled due to lack of qualified applicants. 5 million vacant jobs, including:

400,000 in Health Care

of 5 million

600,000 in Manufacturing

of 5 million

2020: Equal percentage of jobs will require a bachelor degree as an associate degree

33% require bachelor degree

100%

30% require associate degree

100%

2008 - 2018: Expected job growth percentages for degree holders

10% bachelor degree

100%

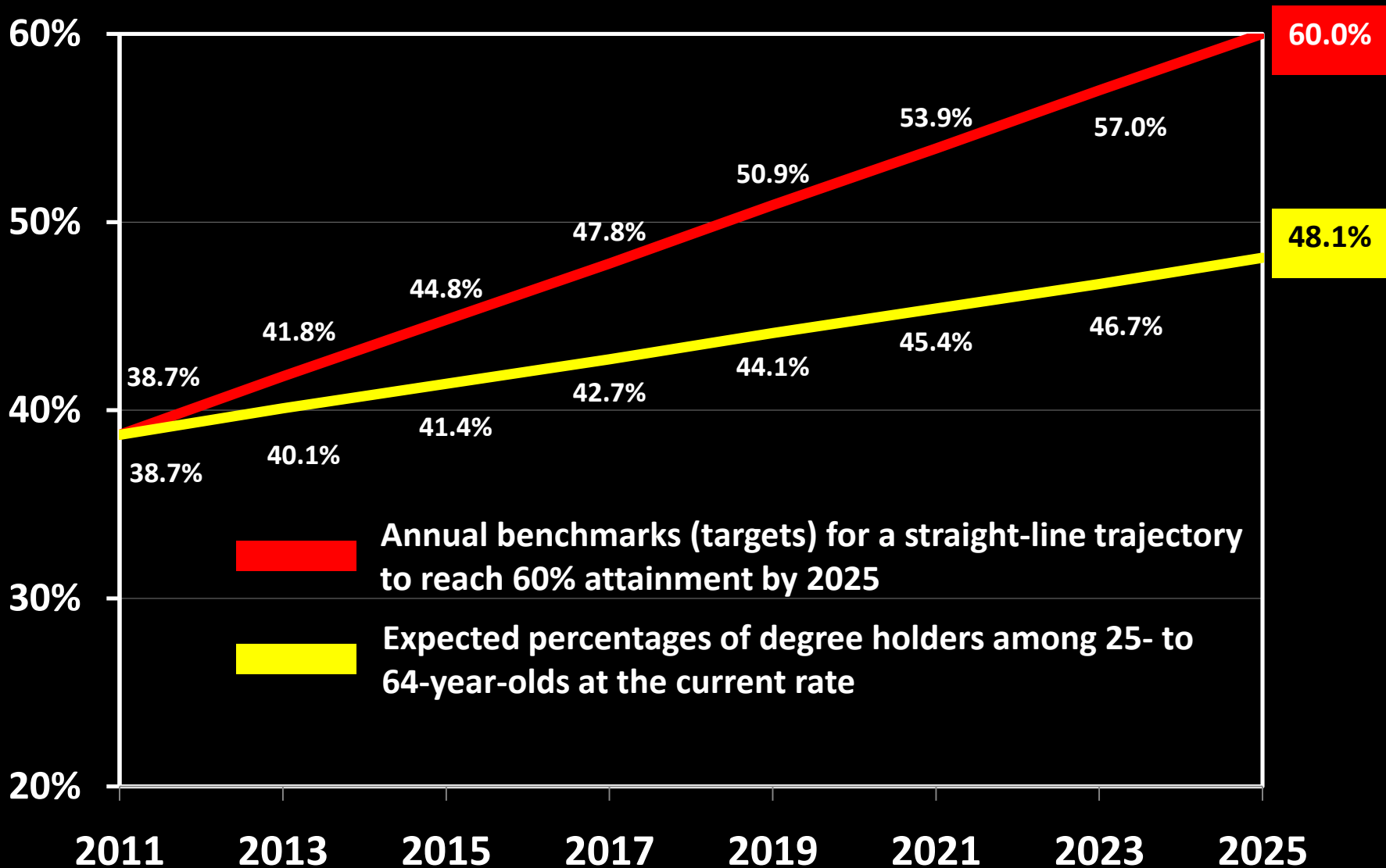
19.1% associate degree

100%

Source: Edward Gordon, author of *Winning the Global Talent Showdown*



The Path to 60% Degree Attainment in the U.S.





Employment and Earnings Opportunities

<i>Agricultural Technicians</i>	
Median Hourly Earnings	\$16.43
2013 Jobs	1,620
2011-2017 Change	119
2011-2017 Estimated Annual Openings	70

<i>Precision Agriculture Technicians</i>	
Median Hourly Earnings	\$22.86
2013 Jobs	3,018
2011-2017 Change	228
2011-2017 Estimated Annual Openings	152



WWCC Graduates' Earnings

Employment and Earnings

- Wage records show 2011 graduates earn \$46,600 one year after graduation, which is 164 percent of new hire wages of non-graduates in the WWCC district.
- Wage records show that 2006 graduates are earning an annual wage of \$57,069 in the second quarter of 2012, which is approximately 225 percent of new hire wages of non-graduates in the district. By 2012, annual average wages for this cohort eclipse the average wage earner in Washington state by 14 percent.

Longitudinal Analysis of 2006 Graduates' Earnings in S.E. Washington

Employment and Earnings Indicators	2007 All Quarters	2009 All Quarters	2011 All Quarters	2012 1st & 2nd Quarters
Average Annual Earnings	\$31,419	\$37,472	\$43,371	\$57,069
Average Weekly Earnings as a Percent of Average Earnings	132%	154%	171%	225%

John Deere Technology



JOHN DEERE

GreenStar[™] Guidance Systems Parallel Tracking • AutoTrac • RTK



Agricultural Management Solutions





WWCC Center for Enology & Viticulture

Center of Innovation for the Wine Industry



***2006 Governor's Workforce and Economic
Development Best Practice Award***



Vinea: Sustainable Wine Farming



A High Value-Added Industry

- When processed, 300 acres of wine grapes generates the same revenue as 20,000 acres of 100 bushel/acre wheat.
- Wine production contributes \$4.8 billion to Washington's economy (*Washington Wine Commission 2015*).
- Wine production in Walla Walla County contributes over \$300 million to the local economy (*Washington Wine Commission 2015*).
- Tourism is anticipated to produce more revenue than wine production. A wine tourist spends approximately 2.5 times as much as the average tourist at their destination.



Water & Environmental Center



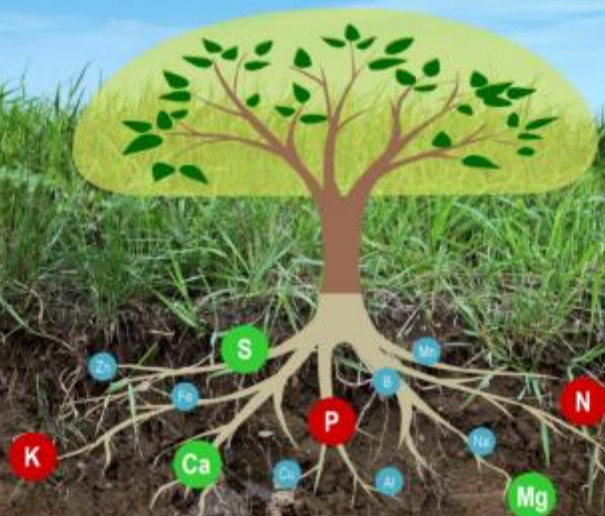
*2010 Governor's Workforce and Economic Development
Best Practice Award*

and

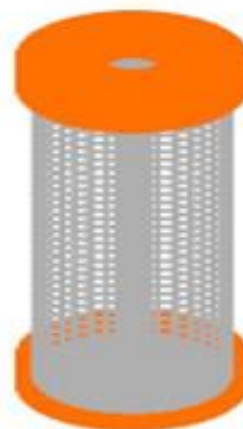
2011 Columbia River Inter-Tribal Fish Commission Leadership Award



Worldwide leader in soil testing
and environmental monitoring



UNIBEST
INTERNATIONAL



Resin Cylinder

**Core
Capabilities**

- Engineering
- Site Characterization
- Analytical Laboratory
- Water Quality/Habitat Management
- Permitting and Compliance
- Data Analysis and Modeling
- Environmental Investigations



1.9 CM 0.75 in

The UNIBEST Resin Capsule



Enhancing the Energy Cluster in Southeastern Washington



Workforce and Business Development Center WWCC Clarkston Campus





SEATECH (Southeast Area Technical Skills Center) on the Walla Walla Community College Campus

HIGH SCHOOL BRANCH CAMPUS

SEATECH PROGRAM CHOICES

"High Tech for High School Juniors and Seniors"

