Accessing Workforce Resources to Meet Industry Needs

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CEWD Meeting

Accessing Workforce Resources



Session Objectives

- Learn how to leverage workforce funding to meet industry needs and economic development goals
- Understand the wide range of funding sources available that address the varying workforce needs of diverse employers
- Look at how workforce funding can contribute to regional innovation

Fragmented Resources

- Workforce Development funding includes a wide range of funding streams.
- These funds may have different requirements and may target different workers.
- Categories of Funding include:
 - ➤ Emerging (i.e. STEM)
 - ➤ Transitional (i.e. TANF, WIA)
 - ➤Incumbent (i.e. WIA, state)

Funding Sources

What are the main agencies that provide workforce-related funding?

Remember: There is a wider range of funding for workforce programs, not just in the traditional workforce world.

The "Workforce System" and its related resources may include those listed on the following slides.

 Funding sources are not limited to the public sector and the following list is not exhaustive

Multiple Funding Streams

- Department of Labor- Employment Training Administration
- Department of Education
- Department of Health & Human Services
- Housing & Urban Development
- Treasury Department
- Department of Energy

- Economic Development Administration
- Department of Agriculture
- National Science Foundation
- NASA
- National Institutes of Health
- State and Local

U.S. Department of Education

- States and school districts
 - ➤ Improve PreK-12 schools
 - Meet the special needs of students
 - ▶ Rehabilitation
 - Charter Schools
 - >Adult education
 - >Strengthen teaching and learning
 - **≻** Colleges
 - Other postsecondary institutions

U.S. Department of Education

Race to the Top is 4.35 Billion Dollar Investment Phase One- Delaware and TN.

- Adopting standards and assessments that prepare students to succeed
- Building data systems that measure student growth and success
- Recruiting, developing, rewarding, and retaining effective teachers and principals
- > Turning around our lowest-achieving schools.

Department of Health & Human Services

- TANF (Temporary Assistance for needy families): a block grant program to help move recipients into work
- Social Services Block Grant (SSBG) funds for social services
- Community Services Block Grant (CSBG): provides funds for services and activities addressing employment, education, better use of available income, housing, nutrition, emergency services, health
- Independent Living Education and Training Vouchers
- Community Economic Development

Economic Development Money

EDA: Funding can be used for strategic planning and relevant infrastructure development (such as training centers). Need Current Economic Development Strategy (CEDS).

HUD: Community Development Block Grant Funds and Sustainable Communities

National Science Foundation ATE Centers for STEM Related Fields

- ATE program seeks to improve the quantity, quality and diversity of the nation's science and engineering technicians
- Offers pathways to technician careers for students and the workforce at all levels
- Supports curriculum development; professional development of college faculty and secondary school teachers and other bridge programs

Department of Labor

- Public Workforce System is a \$15 billion public investment in America's workforce
- Source of funds, source of talented workers, and provider of direct services to both job-seekers and businesses

Department of Labor Resources

- Funding Information and Resources can be found at <u>www.doleta.gov</u>
- Grant Products and Deliverables can be found at www.workforce3one.org
- Information about career options, job descriptions, and job listings can be found at <u>www.careervoyages.gov</u>

Workforce Funding as an element of Regional Economic Development

- ▶ Workforce Development Funding is one element of a continuum that extends K-12 through higher education and workforce training.
- It can play a transformative role in helping to build social capital and regional economic development.

State Consortia Partnerships are Key

In innovative regions, industry-led consortia guide the transformation process and target investments to encourage smart and collaborative growth

The Milwaukee 7 Water Cluster Private Sector CH2MHILL **Public Sector** Bucyrus Siemens GE OUNDATION Federal Joy Governmen UNDP DNR Veolia Great Lakes Water ITT. Advanced MMSD **Chemical Systems** M7/GMC Miller Coors Pentai City of Milwaukee Utilities Filtering & purific Opportunities Thermo Fisher Water Council AguaSensors Procorp Scientific Water User Sanitarie Environmental Algae control (& exploitation) Removal of PCBs from lakes & rivers Treatment/ Municipalities Storm water containment, .Badger Meter Flygt Processing/ Energy/Efficiency Analysis/ Ship's ballast – policy/enforcem Softening Ethanol production efficiency Aquaculture Measuring/ Lake Michigan contamination Lar sands water treatment Control Policy issues – metering/incer Elimination of boiler scaling Increasing brewing efficiency Pumps/ Increased efficiency of water neating Fall River Speeding treatment for large Valves/ Increasing treatment efficient **UW-Madison Processing/Treatment** Components **Bioscience** Municipal wastewater treatment Reverse Osmosis Carmen Aguilar — microbiology David Petering — metal metabolism Val Klump -Storm water treatment -Reduced use of chemicals Softening AO Smith •Ships ballast - treatment • Tim Ehlinger - aquatic system Fluid Transport/ Industrial wastewater treatment Treatment targets -Farm manure, food processing waste, metals Civil & Ind. Engr. -PCBs in sewer pieps -Utilizing sewer sludge Desalinzation Li, Jin – pollutant transport modeling Bravo, Hector – hydradiic modeling Christensen, Erik – pollutants in vater Amano, Ryojohi - CFD Residential Water Treatment -Radium in ground water Marquette Shangping Xu – safe Consumer -Pharmaceuticals -Residential water treatment, home filtration -Phosphate -Residential Water softening without salt **Products** Fillia, Krisna – porous media modeling Kevin Renken- mass transfer Sobolivev – biproducts utilization Joe Aldstadt - analytical metho Monitoring/Detection Peter Geissinger – detection Alan Schwabacher – pharmaceuticals in wa Kohler · Water security Tom Const aquatic rob Tom Grundle - harbors Real time monitoring Faucets Materials, coatings, plating Casting technology User detection systems WATER Inst. Junhong – nano ma · Real time sensing for life forms Materials Pharmaceuticals Chem & Biosci School of Freshwater **UWM** DOE **CEAS Physics** Funds Fluid Power **Foundations NSF MSOE** Academic Institutions Rapid Proto Center Interior DoD NIH **Partnerships** ĔΡΑ Sponsored Research Proj. Greater Shared equipment Cluster Effects Graduates Milwaukee **USDA** Shared resources/equipment Workforce training World Bank Foundation Subcontractor/supplier Collaborative grants NOAA/DOC Extramural grant support International Improved competitiveness Philanthropic support Translational science **Funding Agencies Partners** 10/6/08 © 2008, Brian D. Thompson, UWM Research

Sector-Focused Partnerships

Sectors Act of 2009 passed House:

- (1) Encourage growth and competitiveness for employers within a targeted industry cluster
- (2) Help workers move toward economic selfsufficiency
- (3) Address the needs of small firms with limited HR and training capacity
- (4) Coordinate with entities that carry out state and local workforce investment, economic development, and education activities.

Build New Narratives and Networks

Create and implement a regional strategy that will:

- 1. Establish and build a regional identity across political jurisdictions.
- 2. Leverage and align public and private investments.
- 3. Transform the regional economy through innovative and effective talent development

State & Local Funds

- Most have State-Funded Customized Job Training Programs
- Sector-Specific/Layoff Aversion
- Other funding streams include:
 - College Access
 - Bridge Programs (high school to college for disadvantaged)
 - STEM
 - Entrepreneurship
 - Specialized technical or vocational training

Non-Traditional Workforce Funding Resources

- Education the role played by colleges and universities, both public and private (including community colleges)
- Private Sector- in-house institutes and training programs
- Foundations/ non-profits- may provide grants
- Online information sources

STEM Resources

- National Science Foundation (NSF)
- NASA
- DOD
- DOE
- National Institutes of Health (NIH) Student & Professional Development Funds
- National Governor's Association
- Private Sector Firms such as Raytheon have sponsored extensive STEM initiatives

Foundations

The Council on Foundations supports the National Fund for WF Solutions; check out their website describing their activities at:

http://www.nfwsolutions.org

Individual Foundations Support Talent Development Systems

- Lilly
- Mott
- Joyce
- Lumina
- Casey
- Others

Aligning Resources

- There is an array of workforce funding to enhance and expand the talent pool and that addresses the differing workforce needs of diverse employers
- Be creative and resourceful to combine the various streams to meet workforce & economic development goals

Questions?

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