



National Institute of
Environmental Health Sciences
Worker Training Program



OPPORTUNITY
ADVANCEMENT
INNOVATION

in WORKFORCE DEVELOPMENT

ECONOMIC BENEFITS OF BROWNFIELDS, ENVIRONMENTAL CAREERS AND OCCUPATIONAL TRAINING



Environmental Career Worker Training Program:

- Train unemployed or underemployed individuals by delivering holistic and comprehensive training to disadvantaged and underserved communities;
- Program addresses the risk of occupational health disparities;
- Provides job readiness training such as remediation education and life skills;
- Prepare and place them for employment in the fields of environmental restoration, construction, and hazardous materials/waste industries; and
- Evaluate the effectiveness of the training program and it's impact.



- **Center for Construction Research and Training**
 - New Orleans, LA; St. Paul, MN; and East Palo Alto, CA.
- **OAI**
 - Chicago, IL; Dallas, TX; and Wyandotte County, KS/Eastern Jackson County, MO.
- **University of California, Los Angeles**
 - Los Angeles, CA; Seattle, WA; and Portland, OR
- **University of Medicine and Dentistry of New Jersey**
 - Newark, NJ and New York City, NY
- **Dillard University**
 - New Orleans, LA; Pensacola, FL; Houston, TX; and Detroit, MI.
- **United Steelworkers**
 - New York City, NJ

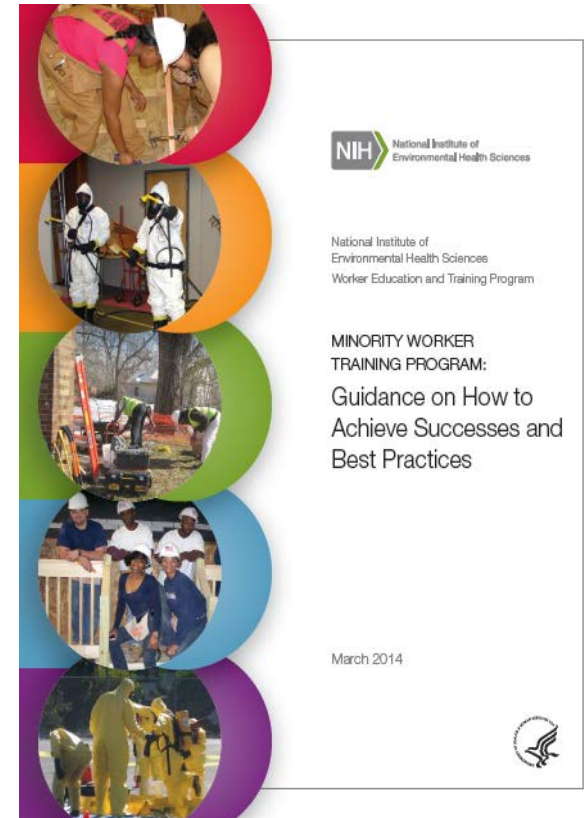


17 Communities



ECWTP: Success and Best Practices Report

- Trained over 10,000 people in more than 30 communities across 20 states with nearly 70% employment.
- Increase sustainable employment opportunities, address health disparities, & advance environmental justice.
- Transformed the lives of trainees, families, and communities.
- Provides significant contributions to environmental justice by providing training and increasing job opportunities.
- The ECWTP - a model intervention in classic public health.



WHAT IS ECWT - Chicago?

A 16-week training program at OAI

**Hands-on Training in Environmental Remediation
and Basic Carpentry & Construction.**

Training Curriculum Segmented into three Components

- A. Life Skills, Basic Education & Professional Development**
- B. Environmental, Health & Safety Training**
- C. Basic Carpentry/Shop Training**

GREEN JOBS



LEAD ABATEMENT



ASBESTOS ABATEMENT



HAZARDOUS WASTE REMOVAL





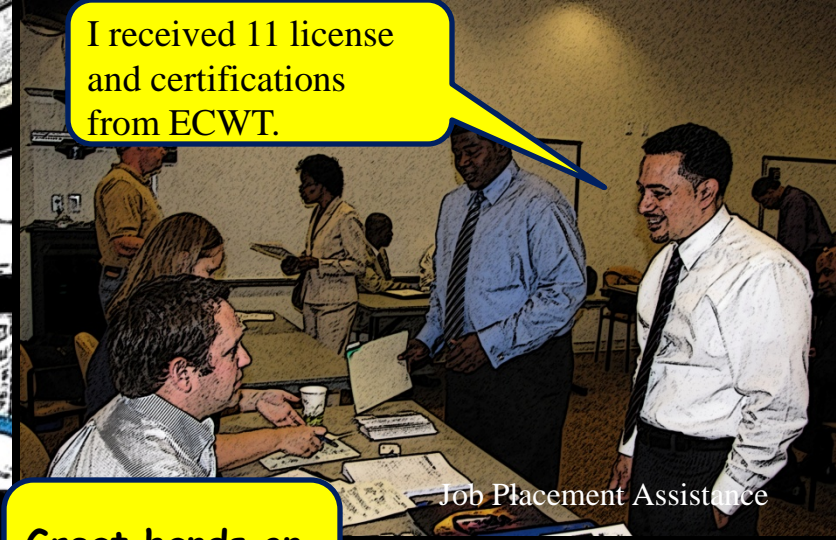
WOW!!
ECWT HAS
FREE
TRANSPORTATION!!!

Transportation



We are ready
for the test!

PROFESSIONAL DEVELOPMENT



I received 11 license
and certifications
from ECWT.

Job Placement Assistance



Great hands on
experience!

Technical Training

TECHNICAL TRAINING

11 CERTIFICATIONS & LICENSES



Asbestos Abatement

Confined Space

CPR & First AID

Fork Lifting

Hazardous Waste

Lock Out/Tag Out

Lead Abatement

Mold Awareness

Monitoring &
Site Sampling

OSHA 10 Worker Safety

Lead RRP

Economic Benefits of Training





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Worker Training Program



Shelby Hurd

- Graduated 2013
- Employed by Aerotech since 2013
- Started at \$16.00
- Promoted to Plater at \$19.00
- Incarcerated for 7 years

Evaluation of the Economic Impact of the NIEHS Worker Training's Environmental Career Worker Training Program

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**The analysis was completed in collaboration with Bryant Engelhardt, Robert Baumann,
College of the Holy Cross; Kathy Kiel, College of the Holy Cross; Deborah Weinstock, Larry
Reed, Justin Crane, MDB, Inc.**

Purposes of WTP Benefits Study

- To respond to NIEHS Strategic Goal 10, in particular part (b)

Evaluate the economic impact of policies, practices, and behaviors that reduce exposure to environmental toxicants, through prevention of disease and disabilities, and invest in research programs to test how prevention improves public health and minimizes economic burden.

- To evaluate, quantify, and document the wide range of benefits of WTP ECWTP
- To develop methodology for WTP Benefits
- Share the results with stakeholders



Benefits defined

- Seven monetary benefits between 1995 and 2013
- Value added benefits

Effect on earnings (present value)	\$1,593 million (1.6 B)
Safety and related cost savings	\$153 million
Hiring cost savings	\$16.8 million
Crime cost savings	\$22.1 million
Effects on taxes and transfers	\$717 million
Environment-related benefits	Indeterminate
Matching funds and community involvement (2013 only)	\$2.3 million

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ECWTP - Economic Impacts 1995-2013

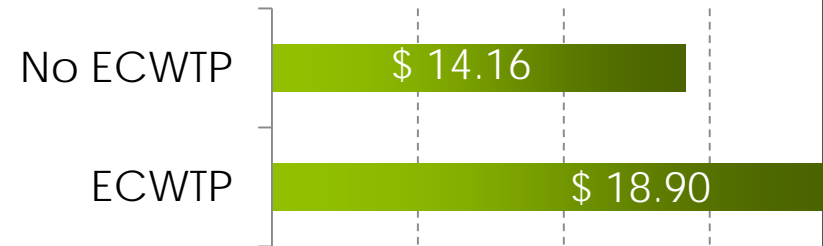
\$1.79 Billion
Total value added

\$717 Million
Reduced spending

\$2.28 Million
Additional local
support in 2013

Top Jobs after ECWTP

- ❖ Asbestos
- ❖ Environmental



Avg. Increased Wages

59% Increased probability of employment for ECWTP graduates

Benefits

Earnings
\$1,593M

Taxes
\$717M

**Community
Input**
\$2.28M

Safety Savings
\$153M

Crime Savings
\$22.1M

**Hiring
Savings** \$16.8M



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