

National Institute of Environmental Health Sciences-ECWTP

Dr. Linda Delp, PhD, MPH

Principal Investigator, Western Region Universities Consortium

Director, UCLA-LOSH, Adjunct Assoc. Professor, Community Health Sciences Dept.

ldelp@irle.ucla.edu



WRUC



Environmental Career Worker Training Program (ECWTP)

- The NIEHS WORKER TRAINING PROGRAM:
 - Established under the Superfund Amendments and Reauthorization Act of **1986 (SARA)**
 - Provides training grants through the **Environmental Career Worker Training Program (ECWTP)**, to do high-quality occupational safety and health training to workers involved in Environmental careers as well as construction careers
 - Supports curricula development and training programs throughout the United States to help employers meet requirements under the OSHA HAZWOPER standard and U. S. EPA standards for hazardous waste operations and emergency response.

WRUC - ECWTP

- The Western Region University Consortium (WRUC):
 - UCLA- LOSH - **ECWTP**
 - UC-BERKLEY
 - ARIZONA STATE UNIVERSITY
 - UNIVERSITY OF WASHIGTON - **ECWTP**
- ECWTP started at UCLA-LOSH and University of Washington in 2010
- ECWTP in both locations a result of the convergence of local policies, coalitions and partners.
 - Los Angeles: Green Building Retrofit and Workforce Development Ordinance and strong Labor-Econ and Env Justice-Workforce Development coalition
 - Washington: strong building trades coalition to support union jobs

City of LA: Green Building Retrofit Program

- ❑ Trained 40 individuals for jobs with City of LA to green retrofit city-owned buildings to LEED-EB silver standards
- ❑ *LOSH courses*—General Construction Safety; 40-hour HAZWOPER; First Aid/CPR; Lead Renovation; Green Jobs; Toxic Use Reduction/Green Chemistry; Environmental Justice
- ❑ *Partners*—City of LA; SEIU Local 721 Worker Education & Resource Center, Inc. (WERC); LA Trade Tech College



NIEHS Environmental Career Worker Training Program

Western Region Universities Consortium
Butch de Castro, PhD, MSN/MPH, RN, FAAN



UW ECWTP HISTORY

- > **Since 2015, partnered with pre-apprenticeship construction training programs**
 - **Pre-Apprenticeship & Construction Education (SEA)**
 - **Constructing Hope (PDX)**
- > **Primarily serve underserved, disadvantaged, marginalized**
- > **Gain entry into competitive construction trades; opportunity for living wage and long-term careers**



PROGRAM STRUCTURE (SEA & PDX)

- > 11 or 10 weeks**
- > 4 cohorts per year; +1 summer youth cohort (PDX)**
- > Construction skills; visits to trades and job sites (interact with professionals)**
- > Life skills; professional development**
- > Support services**
- > Mentor, assist entry into trades; job placement**



TRAINING

- > **Basic construction**
- > **Blueprint reading**
- > **Workplace expectations**
- > **Construction culture**
- > **Communication**
- > **Certifications**
- > **Career awareness**
- > **Managing finances**



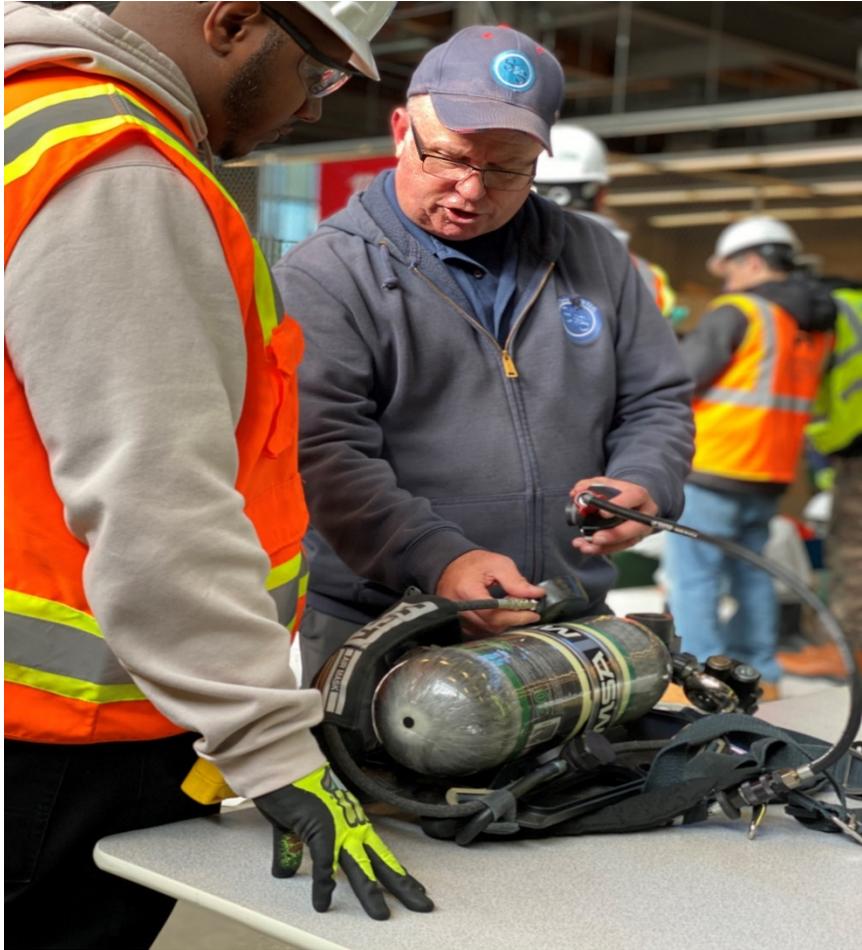
TRAINING (continued)

- > **Basic construction**
- > **Blueprint reading**
- > **Workplace expectations**
- > **Construction culture**
- > **Communication**
- > **Certifications**
- > **Career awareness**
- > **Managing finances**

UW ECWTP provides:

- > **40-hr HAZWOPER**
- > **OSHA 10-hr construction safety**
- > **Confined space entry awareness**
- > **Asbestos awareness**
- > **First aid & adult CPR**
- > **Basic math; applied to construction**





PACE students learning SCBA



Constructing Hope students prepping for de-con exercise



IMPACT

PACE (SEA):

- > **~90% placement**
 - **Carpentry**
 - **Cement Masonry**
 - **Electrical**
 - **HVAC**
 - **Ironworkers**
 - **Laborer**
 - **Pipefitters, plumbing**
 - **Roofing**
 - **Sheet metal**

CONSTRUCTING HOPE (PDX):

- > **~90% placement**
 - **Asbestos remediation**
 - **Bricklaying**
 - **Carpentry**
 - **Ironworkers**
 - **Laborer**
 - **Pipefitters**
 - **Roofing**
 - **Warehouse**



FUTURE INITIATIVE

- > Zender Environmental's Rural Alaska Community Environmental Job Training program**
- > Under-/un-employed AK residents in communities impacted by environmental health issues**
- > Applicants must live in a rural village with $\geq 30\%$ Alaska Natives**
- > 2+2 weeks intensive training; Anchorage (Apr-May)**
 - 15 certifications**
 - 10 college credits through UA Fairbanks**



PROPOSED TRAINING

- > **40-hr HAZWOPER**
- > **OSHA 10-hr construction safety**
- > **OSHA confined space entry**
- > **First aid & CPR**
- > **Rural Alaska Landfill Operator**
- > **Rural Solid and Hazardous Waste Management**
- > **Rural Alaska Oil & Hazardous Substance Spill Response**
- > **National Incident Management System**



IMPACT (RACEJT)

- > **Finished 8th year**
- > **97% job placement**
- > **Graduates improving quality of life in 66 communities across AK**
 - **Construction laborers**
 - **Environmental coordinators**
 - **Fuel truck drivers**
 - **Heavy equipment operators**
 - **Landfill operators and managers**
 - **Oil and chemical spill responders**
 - **Recycling coordinators**



2019 Graduation Ceremony



Questions?

Thank you



NIEHS-ECWTP

Yodit Semu

Environmental Career Worker Training Project Coordinator, UCLA-LOSH



What We Do, Who We Serve

- ❑ **Underserved, marginalized, low-income population**
 - ❑ **Provide Health & Safety Training**
 - ❑ Hands-on
 - ❑ We rely on professionals who are experts in their fields
-
- HAZWOPER (40-hour)
 - 8-hour Refresher
 - OSHA 10
 - OSHA 30
 - American Red Cross CPR/First Aid
 - Lead Awareness
 - Asbestos Awareness
 - Confined Space
 - Heat Illness Prevention
 - HazCom
 - Respiratory Protection
 - Life Skill, Mentorship
 - Environmental Justice
 - Math and Comprehensive Reading



Program Impact

Period	Trained	Completed	Placed	Placement Rate
August 1, 2015 to July 31, 2016	108	66	64	97%
August 1, 2016 to July 31, 2017	173	164	116	71%
August 1, 2017 to July 31, 2018	154	147	107	73%
August 1, 2018 to July 31, 2019	241	227	195	86%
TOTAL	676	604	482	80%

LOSH ECWTP Partners & Stakeholders

- ❑ City : City of Los Angeles Economic and Workforce Development Department (Compass Rose Collaborative)
- ❑ State : Department of Toxic Substances Control (Workforce for Environmental Restoration in Communities)
- ❑ Community Based Organizations
 - ❑ GRID Alternative
 - ❑ Women In Non Traditional Employment Roles
 - ❑ Center for Employment Opportunities
 - ❑ Los Angeles Black Worker Center



Provide job training and other employment services to underserved, low-income, and formerly incarcerated population in Los Angeles.



Partners and Stakeholders



LOSH

LABWC

WINTER

DTSC

CRC

CEO

GRID

Alternatives

Looking Ahead

Area of Focus

- ❑ Good, Green Jobs, & Union jobs
 - ❑ Construction Projects
 - ❑ Clean-Up
 - ❑ Energy



Los Angeles Opportunities

- ❑ Major projects (PLA, Workforce Diversity)
- ❑ Aging workforce
- ❑ Initiatives: Zero-waste by 2030, innovative WFD programs





Ready To Work



Questions?



THANK YOU

Yodit Semu

ECWT Project Coordinator, UCLA-LOSH

ysemu@irle.ucla.edu