



National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

# NIEHS Worker Training Program Grantee Meeting

**Sheraton Grand Phoenix**

**May 9, 2018**





National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

# **Joseph T. Hughes Jr.**

**Director**

**Worker Training Program**

**Division of Extramural Research & Training**

**National Institute of Environmental Health Sciences**



# Welcome to the NIEHS WTP Awardee Meeting

- Program Updates
- Grants Management Update
- Clearinghouse Update
- Opioid Training Response Panel
- Break
- Concurrent Business Sessions
  - Business Officials
  - HWWT-DOE Program Officials
  - ECWTP Program Officials



## Welcomes and Fare Thee Wells!

- Dr. Nina Jaitly, the energetic physician who launched the NIEHS Infectious Disease Responder Training Program, and will be sorely missed by our staff, is moving on to new adventures.
- Kevin Yeskey, another energetic physician who worked with us and MDB and has become the Principal Deputy Assistant Secretary at HHS ASPER.
- Craig Slatin, long time PI at UML, who really seems to be retiring, and will ever be part of our heart and soul.
- Karen McGinnis and Pat Aldridge, long time champions of worker trainers at the DOE HAMMER Center, are both retiring for a well deserved rest.
- And a re-welcome to Dr. Robert Bullard and Texas Southern University, who will become Co-PI with Dr. Beverly Wright in a new consortium



**Coming Soon! The version to get us into the 2020's!**



NIH National Institute of Environmental Health Sciences  
*Worker Training Program*

# Agenda

**Ensuring Up-to-Date Guidance:**  
Revising the NIEHS Minimum Health and Safety Training Criteria

**October 17 – 18, 2017** | Research Triangle Park, North Carolina



Activity	Awardees					WTP					Clearinghouse				
	HWWTP	ECWT	HDPT	ID	DOE	HWWTP	ECWT	HDPT	ID	DOE	HWWTP	ECWT	HDPT	ID	DOE
<b>Goal 1: Improved Safety Culture in the Workplace</b>															
<b>1a. Increased worker empowerment</b>															
Use Trainers Exchange to focus on worker trainer concept (AE)	X		X	X		X		X	X						
Focus on integrating infectious disease / biosafety training into other programs (AE)	X	X	X			X	X	X							
<b>1b. Trained workers who can identify workplace hazards</b>															
Provide training on Process Safety Management (PSM) (California) (AE)	X														
Develop and incorporate training modules for opioids and other emerging threats (AE)		X								X					
Encourage use of appropriate PPE for emerging threats, e.g. Hanford tank farms (AE)	X	X	X	X					X						
<b>1c. Trained workers who understand how to take action</b>															
Planning for 2018 national trainers' exchange (AE)						X	X	X	X	X	X	X	X	X	X
Develop/provide training on California Aerosol Transmissible Diseases Standard (D)	X		X												
<b>1d. Safer company practices and policies</b>															
Pilot and provide safety culture training specific to DOE (AE)				X											
Focus on meaningful worker involvement in all WS&H programs (VPP, 851, I2P2, etc.) (AE)	X	X	X	X	X										
<b>Goal 2: Reduced Morbidity and Mortality</b>															
<b>2a. Improved policies and regulations/ Improved enforcement of health and safety practice/policy/regulation</b>															
<b>2b. Updated policy and regulation</b>															
Develop interagency guidance on infection control for workers (AE)									X						
Strengthen partnerships with DOE, contractors, EFCOG, and Energy Communities Alliance (AE)				X					X						X
Monitor regulatory activity and engage with EPA i.e., Brownfields, workforce development (AE)	X					X	X								
Monitor regulatory activity and engage with OSHA (A)			X						X						
<b>Goal 3: Reduced Occupational Health Disparities/Increased Protection and Remediation of Communities</b>															
<b>3a. Increased job opportunities/increased links between workers, workplace, and communities</b>															
Develop a white paper on WS&H programs (including VPP) and worker involvement (A)											X	X		X	
Provide training on Process Safety Management (PSM) and safety culture (AE)	X	X	X	X	X										
Continue focus on at-risk populations/workforce development, specifically re: disaster response (AE)	X	X	X			X	X								
Perform outreach to and collaboration with local/state govt and contractors (AE)	X	X	X	X	X										
Review Work & Health Equity curricula to see what can be used with workers in Flint and other areas (AE)		X					X								
Maintain OSHA/NIOSH disaster relationships, e.g., ERHMS (AE)								X					X		
Increase preparedness for broader populations into disaster response		X													
<b>3b. Increased grantee knowledge base</b>															
Convene a workgroup on control banding to result in a white paper (A)	X					X									
Share best practices and model training (methods, partnerships, evaluation, etc. via conferences, articles, webinars) (AE)	X	X	X	X	X	X	X	X	X	X					
<b>3c. Improved capacities to effectively train, evaluate, communicate, collaborate, build/sustain partnerships, and accomplish WTP goals</b>															
Hold periodic webinars with CDC (AE)									X	X					
Update the minimum criteria guidance document (AE)											X	X	X	X	X
Revise/update Emergency Support Activation Plan (ESAP) (D)									X	X					
Encourage succession planning (AE)	X	X	X	X	X	X	X	X	X	X					
Continue discussions about common evaluation question template for HWWT (A)	X					X	X	X	X	X					
Implement data mining and tagging of progress reports (AE) (HIT S?)						X	X	X	X	X	X	X	X	X	X
Ensure data integrity by comparing DMS and progress reports (AE)	X	X	X	X	X										
Facilitate completion of DOE reciprocity among DOE awardees (AE)									X						
Quantify at-risk populations in non -ECWT programs (A)						X	X	X	X	X	X	X	X	X	X
Continue writing success stories and finalize strategic communications plan (AE)						X	X	X	X	X					
Market SBIR program to encourage more applications (AE)										X					
Continue efforts to integrate into HHS response plan(s) and framework(s) (AE)									X						
Participate in NRT subcommittees and continue integration efforts (AE)						X	X								
<b>Goal 4: A Sustainable Program Based in Science and That Incorporates Current Technologies and Promotes Innovation in all Aspects of its Mission</b>															
<b>4a. Appropriate levels of funding</b>															
Work to finalize DOE economic impact assessment (AE)															X
Publish ECWT P economic benefits findings (AE) & integrate theme of economic value in materials (AE)														X	
Plan and implement an HWWT program evaluation addressing program mandate and mission (A)						X									
Create data visualizations using geo-data of training, stories, and emergency response (AE)						X	X	X	X	X	X	X	X	X	X
<b>4b. Use of current technologies in training</b>															
Integrate technology use in more of what we do (trainings and meetings?)															
Develop training technology guidance for minimum criteria (AE)											X	X	X	X	X
Use SBIR as ambassadors for the WTP to share the value of engaging in WTP SBIR program (AE)						X					X	X	X	X	X
<b>4c. Promotion of innovation through research and grants</b>															
Continue encouraging interactions and partnerships between traditional & SBIR grantees (AE)						X					X				
<b>4d. Science-based activities</b>															
Encourage grantees seek opportunities for publication in peer-reviewed journals and grey literature (A)						X	X	X	X	X	X				
Develop the DR2-tools presented at the Sept 17 PEPH meeting									X		X				
Participate in planning and execution of the DR2 exercise in Tucson (AE)											X				

**WTP  
Operational  
Matrix 2018  
(good luck!)**

## NIEHS WTP/DOE: 2017-2018 Activities

- National Clearinghouse for Worker Safety and Health Training
  - Grantee, NIEHS, and meeting support
  - Began work on DOE Economic Impact Study
- DOE Training Working Group membership
- Safety Culture presentation at the May 2018 SCIP meeting
- Presentation at the 2018 DOE and DOE Contractors Industrial Hygiene Meeting
- Grantees participation in DOE EFCOG Partnership

# NIEHS WTP 2017 Hurricane Response Activities

- Harvey, Maria, and Irma: HHS Mission Assignments to do safety and health training:
  - Staff, contractors, and trainers on the ground
  - Implementing Train-the-Trainer and worker/volunteer safety trainings
  - Distributing personal protective equipment (PPE)
  - Coordinating with Federal Joint Field Office, State Public Health, Local Public Health, Non-Profits, and Foundations
  - Making connections at federal, state, and local levels
  - Planning for a Disaster Train-the-Trainer courses
  - Coordinating with Public Health Researchers





# Overview of NIEHS WTP 2017 Hurricane Response

Training needs assessment, implementation, and long-term planning

Local capacity-building

PPE cache

Key partnerships at federal, state, county, and local level

Inclusion of non-English Speaking vulnerable populations



## Opioid Addiction and Work-related Injuries

- 2.9 million work injuries and illnesses reported in 2016.
- We don't know how many of the 64,000 opioid deaths in 2016 began as treatment for work injury.
- Often insurance companies and self-insured employers challenge the necessity of treatment under state workers' compensation systems, causing delays, and continued pain for affected workers and lead to addictions.
- **Solutions:**
  - Prevention of work-related injuries is the primary prevention.
  - Alternative treatments for pain are needed.
  - Eliminating delays in treatment for work injuries.
  - Expand and improve access to addiction treatment.



## Worker Populations with Potential Opioid Exposure

Industry	Job Tasks
Pre-hospital (EMS)	911 calls involving treating, stabilizing, and transporting overdose cases. Exposure to needles and drug paraphernalia.
Law enforcement	Investigating, frisking, arresting, transporting people with drugs or who have overdosed.
Crime laboratories	Evidence handling and laboratory evaluation of confiscated drugs and drug paraphernalia.
Health care	Emergency department treatment of overdose cases. Use of Illicit opioids in patient rooms.
Environmental services, response and cleanup workers	Cleaning of affected crime scenes, spills, or abandoned drug labs.
Fire service	Fire suppression at contaminated locations.
Public employers (DOT, Highway Maintenance, Parks, Environmental Conservation, Corrections & Parole Officers)	Removal of needles/ drug paraphernalia from public roads, highways, and parks. Confiscation of contraband, searching, arresting.



National Institute of  
Environmental Health Sciences  
*Worker Training Program*



# Prevention of Occupational Exposure to Fentanyl and Other Opioids

March 2018



## Course Objectives

- After completing this course, participants will be  able to:
  1. **Recognize** occupations with potential exposure to fentanyl and other opiates.
  2. **Describe** signs and symptoms and treatment post-exposure.
  3. **Explain** use of control measures for worker protection.
  4. **Detail** methods for decontamination and clean-up.

## Fall 2018 WTP Technical Workshop

- The Opioid Crisis: Toxic Substances in the Workplace – Safety Training to Reduce Use, Abuse and Exposure
- In depth examination of occupational illnesses and injuries as a pathway to opioids addiction.
- Building innovative training to reduce usage and prevent exposures for workers, responders, cleanup workers, communities and families.
- Create local, state, private sector, tribal and federal partnerships to reduce use and exposure.
- If interested, please join our workshop planning group.



## WTP Funding Future

- Funding Opportunity Announcement (FOA) is planned for release in FY 2019.
- New five year funding for NIEHS WTP cooperative agreements will be available in FY 2020.
- We are working on this active planning process and we would encourage discussions to examine future training challenges, emerging health and safety threats and priority areas for training engagement.



National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

# ECWT Program Update

## Summary of Past and Upcoming Meetings

**Sharon Beard, Industrial Hygienist**  
**NIEHS Worker Training Program**

**May 9, 2018**

# Environmental Career Worker Training Program





# WTP Creates New Job Opportunities: Environmental Career Worker Training Program (ECWTP)

**Job and life skills training program:** For unemployed and underemployed individuals

**Success:** Since beginning of program, over 11,352 workers have been trained with an average 70% employment rate.

**Economic Impact Analysis:** \$100 million return on \$3.5 million investment.

- Increases probability of employment by approximately 59%.

**Local Programs:** E.g. Training in East Palo Alto, CA; New Orleans, LA; and St. Paul, MN (CPWR)

- 2017: Graduated all 60 trainees; 48 are employed for a job placement rate of 80% with an average of \$17.81 per hour.
- Job retainment: 2016 class -74% of graduates are working; 2015 class - 91% are working.



- Center for Construction Research and Training
  - New Orleans, LA; St. Paul, MN; East Palo Alto, CA and Flint MI.
- OAI
  - Chicago, IL; Dallas, TX; Kansas City KS/MO.
- University of California, Los Angeles
  - Los Angeles, CA; Seattle, WA; and Portland, OR

- Rutgers School of Public Health-NJ/NY Consortium
  - 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





## NIEHS Environmental Career Worker Training Program Update For 09/01/1996-05/31/2017 Final

Year	Students Trained	Placed in Jobs	Percentage of Students Placed in Jobs
1996-2008	7566	5115	68%
2009	379	285	75%
2010	531	372	70%
2011	396	291	73%
2012	366	274	75%
2013	367	279	76%
2014	348	269	77%
2015	397	323	81%
2016	440	334	76%
<b>2017</b>	<b>562</b>	<b>392</b>	<b>70%</b>
<b>Total</b>	<b>11,352</b>	<b>7,934</b>	<b>71%</b>

# ECWTP 2017 Student Demographics

RACE	2017
American Indian	5
Asian	19
Black	297
Hispanic	127
Other	108
Pacific Islander	6
<b>Totals:</b>	<b>562</b>

GENDER	2017
F	124
M	438
<b>Totals:</b>	<b>562</b>

EDUCATION	2017
GED	132
HS DIPLOMA	392
NO GED	38
<b>Totals:</b>	<b>562</b>



UNEMPLOYED or UNDEREMPLOYED	2017
UN	321
UNDER	241
<b>Totals:</b>	<b>562</b>

TYPE OF WORK	2017
CONSTRUCTION	310
ENVIRONMENTAL	92
<b>Totals:</b>	<b>402</b>

## Success Stories from Training.....

The photo to the right is of Lushorn L. at a work site. Lushorn L. is a 38 year old mother of seven children and graduated from the 2013-2014 program year. Her success story was initially reported last year. During her training she won the Trainee of the Month award and received perfect attendance awards every month. Lushorn joined the carpenters union and started working at an hourly wage of \$25.44 with Cahill Construction. Lushorn is now a second year apprentice, with an hourly wage rate of \$42. She recently remarked that she is much more aware of potential hazards on the job sites and realizes the importance of the safety training. With her new career with a living wage, she was able to send her two oldest children to college.



*Photo: Lushorn L. is a former East Palo Alto ECWTP*

- Brownfields 2017-Pittsburgh, PA
  - ECWTP Awardee Meeting
- National Environmental Justice Conference and Training Program – April 2018
- American Public Health Association (APHA) –San Diego, CA

**Brownfields2017**  
SUSTAINABLE COMMUNITIES START HERE

---

**PITTSBURGH, PA**  
**DECEMBER 5 – 7, 2017**  
with pre-conference programming on December 4th  
**DAVID L. LAWRENCE CONVENTION CENTER**

**APHA 2018**  
ANNUAL MEETING & EXPO  
SAN DIEGO | NOV. 10 – 14  
\*\*\*\*\*  
CREATING THE HEALTHIEST NATION:  
**HEALTH EQUITY NOW**



**+** [WWW.BROWNFIELDS2017.ORG](http://WWW.BROWNFIELDS2017.ORG)

**PITTSBURGH, PA**



## **Pre-Apprenticeship Partnerships**

Steve Surtees, CPWR

Yodit Semu, UCLA-LOSH

Howard Hipes, Michigan Bricklayers



# NIEHS ECWTP Program Meeting



National Institute of  
Environmental Health Sciences  
Worker Training Program

**NIEHS ENVIRONMENTAL CAREER WORKER TRAINING  
PROGRAM MEETING**

**DECEMBER 8, 2017**

**9:00 AM TO 1:00 PM**

**Location:** **USW Headquarters**  
60 Boulevard of The Allies, Pittsburgh, PA 15220  
Lobby Conference Room

**9:00 AM -9:30 AM** **Welcome and Introductions**  
NIEHS Welcome | Sharon D. Beard  
USW Welcome | Ashlee Fitch  
Introductions | Sharon D. Beard

**9:30 AM -10:00 AM** **The United Steelworkers/TMC Presentation**  
USW Overview | Jim Young  
Community Health Worker | Luisa Arias and Javier Gallardo  
A Phillip Randolph Institute | DeWitt Walton and Frank Condell

**10:00 AM -11:30 AM** **ECWTP Accomplishments/Outcomes (10-15 minutes each)**  
CPWR | Steve Surtees  
Rutgers/NJ/NY Consortium | Joan Staunton  
Deep South Center for Environmental Justice/ HBCU Consortium |  
Beverly Wright  
OAI, Inc. | Cleophus Lee  
WRUC | Yodit Semu

**11:30 AM -11:45 AM** **Break and Grab Lunch**

**11:45 AM -12:45 PM** **Discussion Topics (15-20 minutes each)**  
Non-Traditional Workforce | Joan Staunton  
Disaster Worker Training | Steve Surtees  
Employing Community Residence Through Training and Certifications |  
Bruce McClue

**12:45 PM -1:00 PM** **Wrap up and Closing**

- Change of Scope or Revised Training Plans
- Change in Key Personnel
- Rebudgeting consortia
  - Must be approved in advance
- Terms and Conditions of Award
- NIEHS Acknowledgment -  
<https://www.niehs.nih.gov/funding/grants/instructions/acknowledgement/index.cfm>
- Reporting job placement Requirements/Issues



National Institute of  
Environmental Health Sciences  
*Worker Training Program*

*Please join us for our session.....*

# NIEHS Worker Safety Training Making a Difference

## ***Presentation 1: Jobs and Infrastructure Development in Coastal Communities After Disasters***

*Making sure vulnerable populations get the needed training to help rebuild their lives and the communities.*

*Sharon Beard (NIEHS), Beverly Wright (Deep South Center for Environmental Justice, Inc.) & Calvin Avant (Unity in the Family Ministry, Inc.)*

## ***Presentation 2: Training that Makes a Difference at the Portsmouth Gaseous Diffusion Plant in Ohio***

*A partnership between the Steelworkers Charitable and Educational Organization Tony Mazzocchi Center (USW), the Village of Piketon and the NIEHS WTP*

*Joseph Hughes (NIEHS), Herman Potter (USW Local 1-689) & Marybeth Potter (USW Health and Safety Trainer)*

Thursday, April 26 | 1:45pm

Washington Marriott Metro Center  
Grand Ballroom Salon E





National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

**Demia Wright**

**Public Health Educator**

**Worker Training Program**

**Division of Extramural Research & Training**

**National Institute of Environmental Health Sciences**



# Time for an Update!

## Communications



## Evaluation

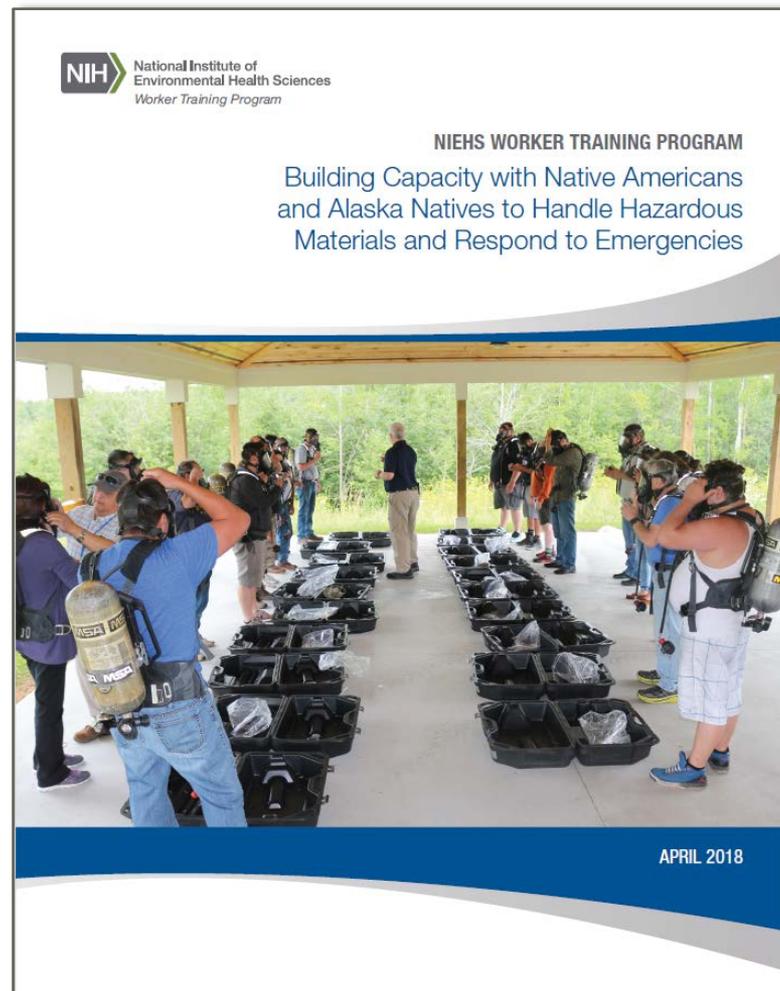


# Building Capacity with Native Americans and Alaska Natives

Report published in April 2018 provides an overview of WTP grantee-led training for tribes across the U.S. during program years 2015 – 2017.

Grantees delivering training include:

- Alabama Fire College Workplace Safety Training
- International Union of Operating Engineers National Training Fund
- Midwest Consortium
- Steelworkers Charitable and Educational Organization Tony Mazzocchi Center
- Western Region Universities Consortium



## 2017 Program Year Training Summary

WTP grantees provided the following training to Native Americans and Alaska Natives in 2017:

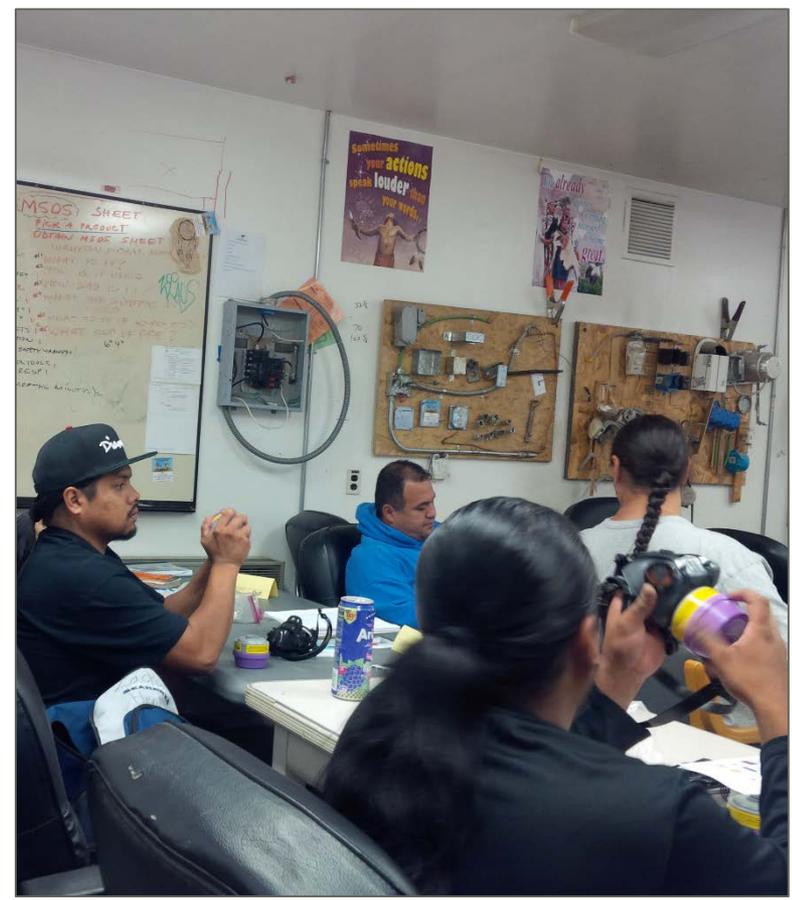
- More than 1,500 tribal workers
- More than 60 courses
- Nearly 13,000 contact hours



# More Than 20 Types of Courses were Offered to Tribal Workers

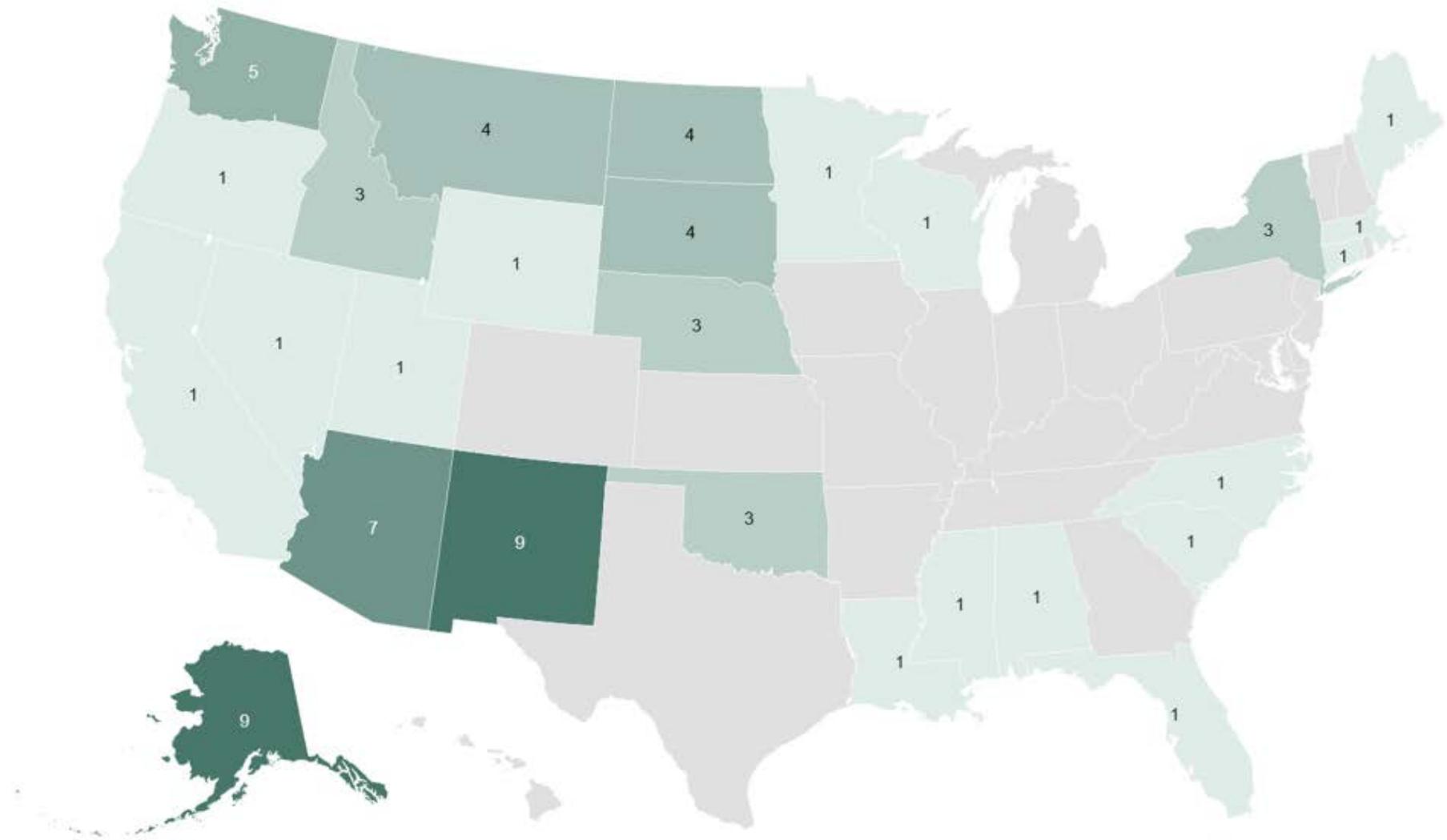
## Courses included:

- Basic Superfund Site Worker and Site Worker Refresher
- Clandestine Methamphetamine (Meth) Lab Awareness
- Emergency Response and Preparedness
- General Construction Safety
- Hazard Communication
- Hazardous Materials (HazMat) Transportation
- Hazardous Waste Operations
- HazMat Air Monitoring
- Mass Casualty Incident Triage
- Process Safety Management
- Radiation and Nuclear Awareness
- Training Methods/Trainer Development



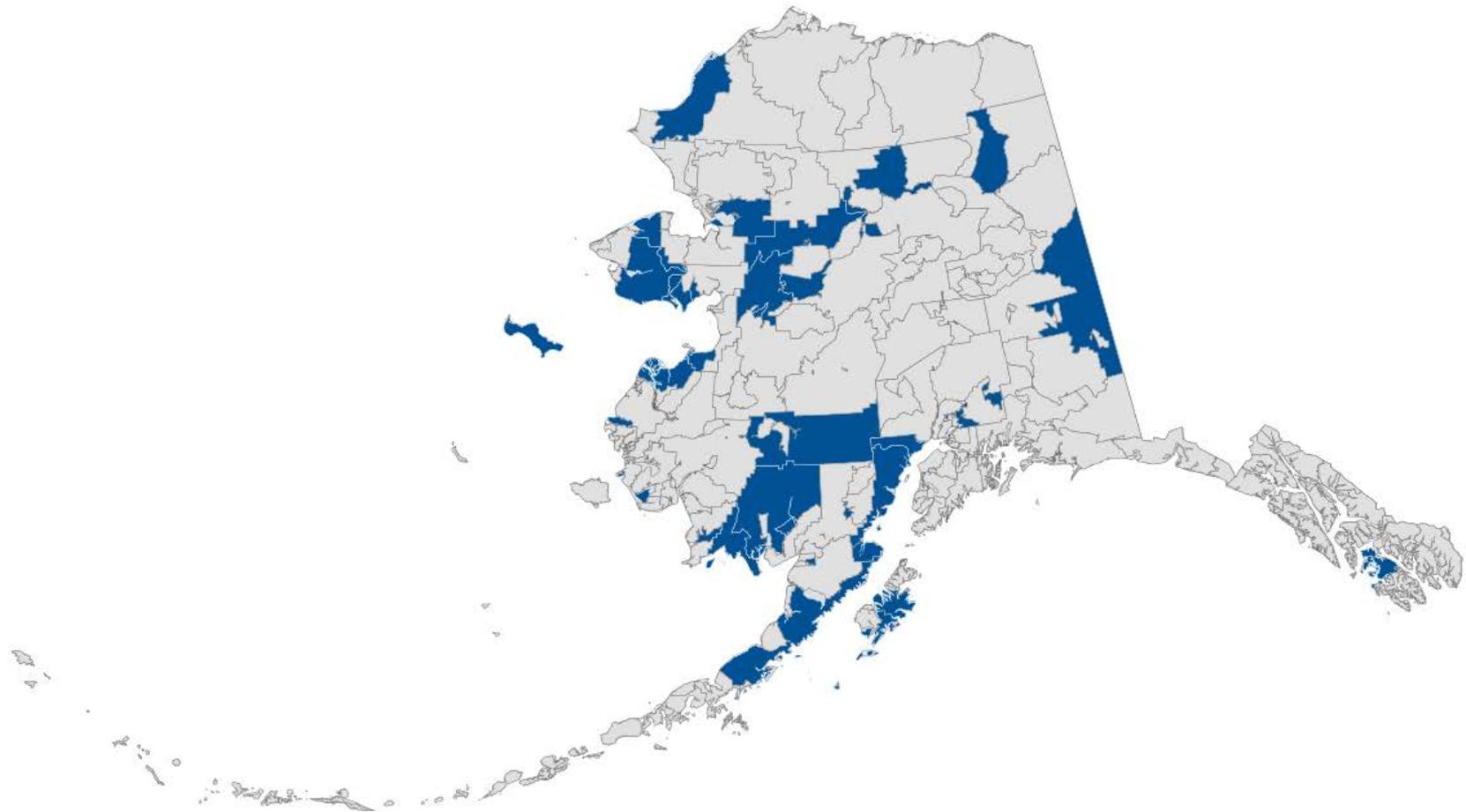


## Tribal Nations and Alaska Native Corporations Reached Through NIEHS WTP Training in the U.S. (2015 – 2017 Program Years)





## Zip Codes in Alaska Represented by Alaska Native Trainees of the NIEHS WTP (2015 – 2017 Program Years)





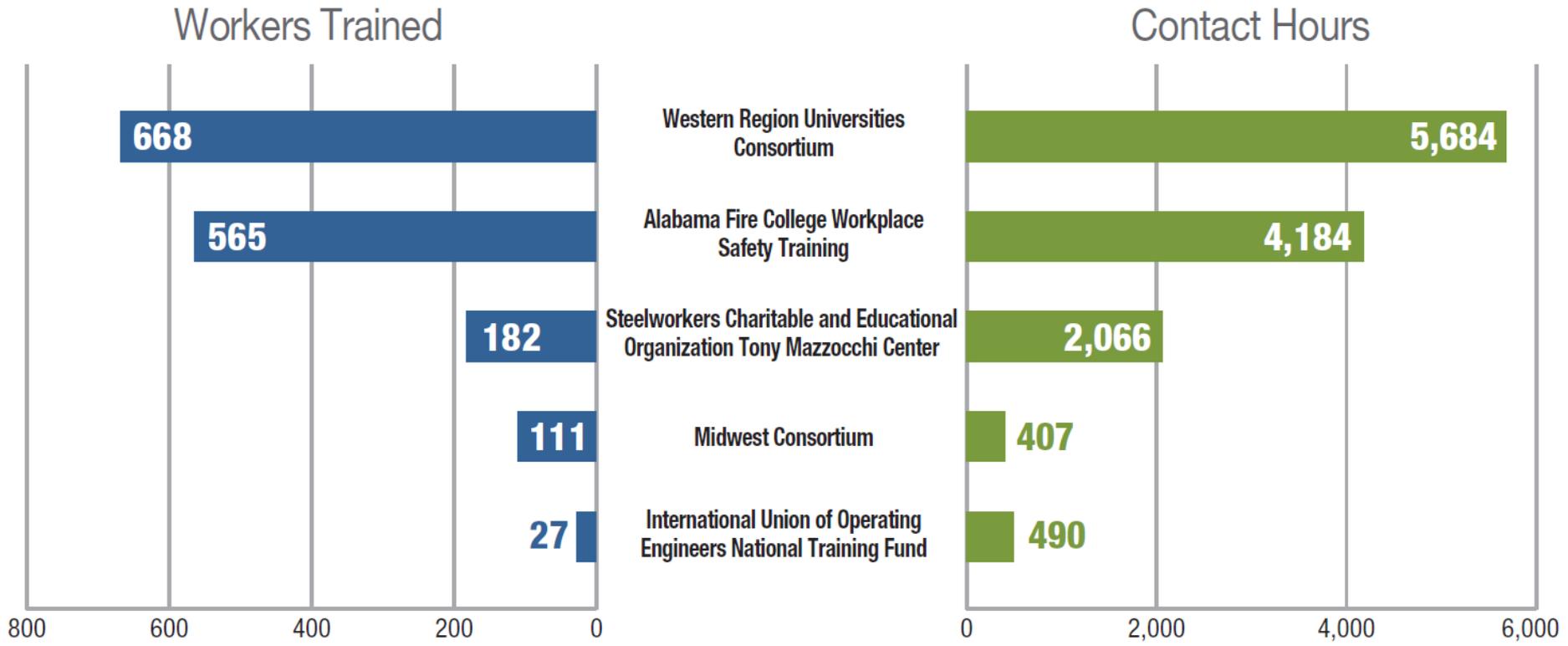
# Report Highlights: Hazardous Waste, Disaster Preparedness, and Job Training Across the Country

Training for	By Grantee
Nationwide, including summaries of work in AL, NM, NY, MS, and MT	Alabama Fire College Workplace Safety Training
Alaska Natives	University of Washington, through Western Region Universities Consortium
Bureau of Indian Affairs and tribes in AZ and NM	Arizona State University, through Western Region Universities Consortium
Three Affiliated Tribes in North Dakota	Three Affiliated Tribes, through Midwest Consortium
Spokane Indian Tribe in Washington	International Union of Operating Engineers National Training Fund, through CPWR
Yakama Nation in Washington	Steelworkers Charitable and Educational Organization Tony Mazzocchi Center



# Native American and Alaska Native workers trained during the NIEHS WTP 2017 program year by grantee.

The five grantees with specific programs and partnerships focused on training tribal members are shown.





Summary is available on-line at WTP [Training Summaries and Highlights page](#) under “Success Stories”



# Other Communication Documents/Initiatives

- State Profiles in NIEHS Template
  - Done: Alaska, Minnesota, New Mexico
  - Almost done: California, Mississippi
  - Next up: New Jersey, Alabama, New England
- Upcoming this year (likely): Program overview document

**NIH** National Institute of Environmental Health Sciences  
Your Environment. Your Health.

## Worker Training Program: Minnesota

A National Institute of Environmental Health Sciences (NIEHS) Superfund-Related Activity

The NIEHS Worker Training Program (WTP) annually funds about 1,000 health and safety courses for 20,000 workers in Minnesota. These grantee-led trainings are preparing workers to handle hazardous materials and respond to disasters in their communities.

**Courses Include:**

- Basic Superfund Site Worker and Site Worker Refresher
- Confined Space Rescue
- Disaster Site Worker Train-the-Trainer
- Emergency Response
- General Industry and General Construction Safety
- Hazardous Waste Operations
- Lead Abatement Supervisor

**Training Highlights**

**Community College Training**  
Every year, thousands of Minnesotans receive health and safety training through the Community College Consortium for Health and Safety Training/National Partnership for Environmental Technology Education, a WTP grantee.

Trainings are provided at Hennepin Technical College in Eden Prairie, South Central College in Faribault, and Gustavus Adolphus College in St. Peter. The courses address hazardous waste operations, emergency response, confined space rescue, and industry and construction safety.

**Training for Private and Public Sectors**  
WTP grantees provide training to large Minnesota-based companies, such as Aveda Corporation and 3M. State and municipal offices also use WTP-funded training for their employees. The training allows for the private and public sectors to not only reduce harm to their workers, but also keep the surrounding communities safe and avoid environmental damage.

In 2016, workers at the Minnesota Department of Public Safety, Office of Pipeline Safety, responded to a pipeline failure and possible release of asbestos. The University of Minnesota, a member of the Midwest Consortium for Hazardous Waste Worker Training, had trained the workers in how to effectively take action. They used restricted excavation to limit the spread of contamination and kept people safe from asbestos exposure.

**About the Worker Training Program**  
The NIEHS Worker Training Program (WTP) funds nonprofit organizations to provide health and safety training for workers who may be exposed to hazardous materials and waste at work or while assisting with emergency response. The NIEHS WTP was initiated under the Hazardous Substance Basic Research and Training Program authorized by the Superfund Amendments and Reauthorization Act of 1986 (42 USC 9660).

Under these NIEHS Superfund-related activities, WTP grantees provide trainings across the country through the Hazardous Waste, Hazmat Disaster, and Environmental Career Worker Training Programs.

For more information, visit [www.niehs.nih.gov/wtp](http://www.niehs.nih.gov/wtp).

PO Box 12233 • Research Triangle Park, NC 27709  
Phone: 919-541-3345 • [www.niehs.nih.gov](http://www.niehs.nih.gov)  
February 2018

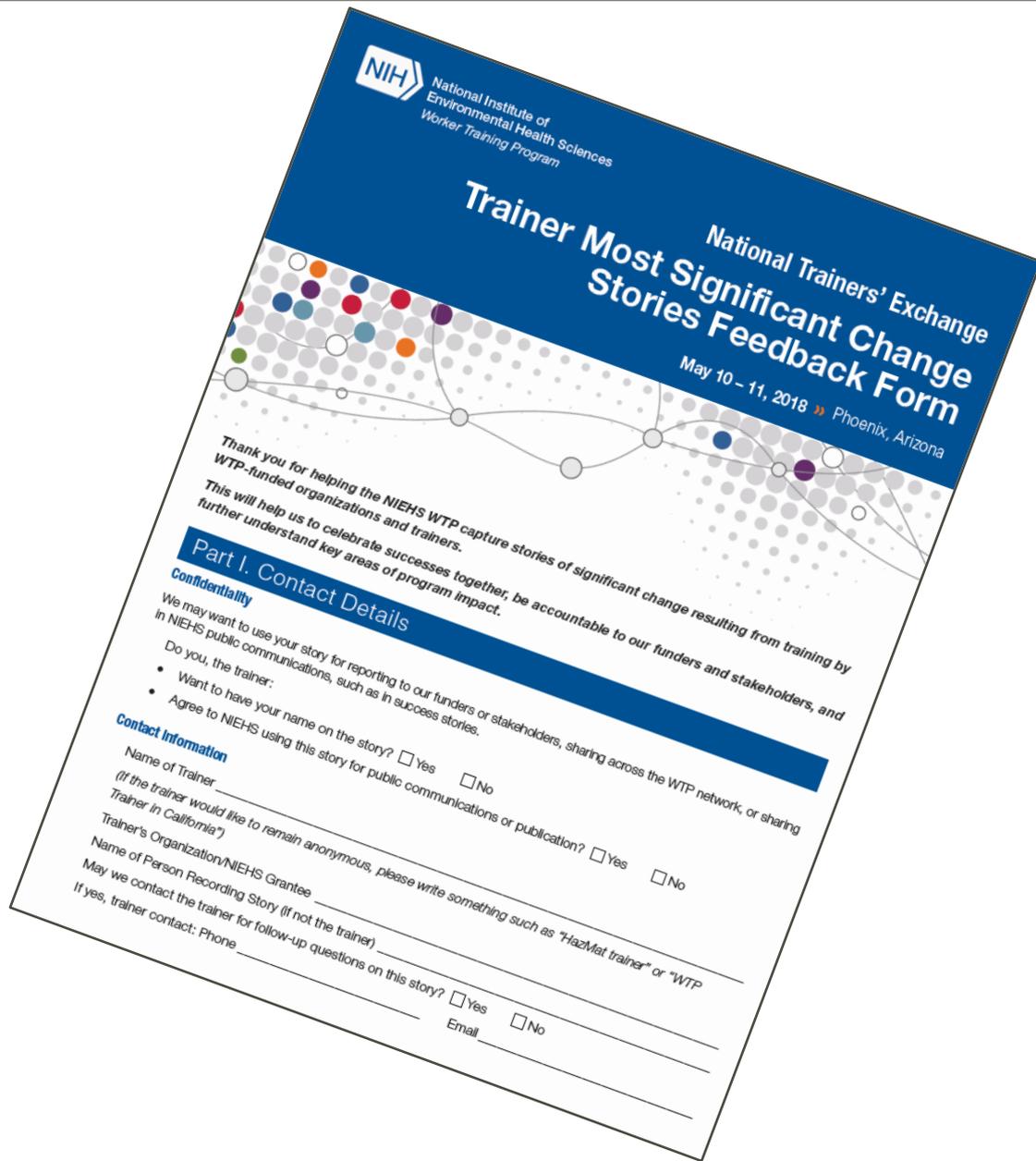
# Sample Photos:

Active training,  
clear resolution,  
location specified



# Evaluation

- Evaluation Community of Practice Webinars
- Trainers' Exchange Story Collection
  - Form
  - Survey in App
  - Friday in-person
  - Your own recordings?





## NIEHS/DOE Nuclear Worker Training Program





## From September 1, 2016 to August 31, 2017



Courses Provided

2,066



Workers Trained

32,202



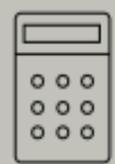
Contact Hours

389,768



Dollars Awarded

\$8,852,400



Overall Cost Per Contact Hour\*

\$22.71

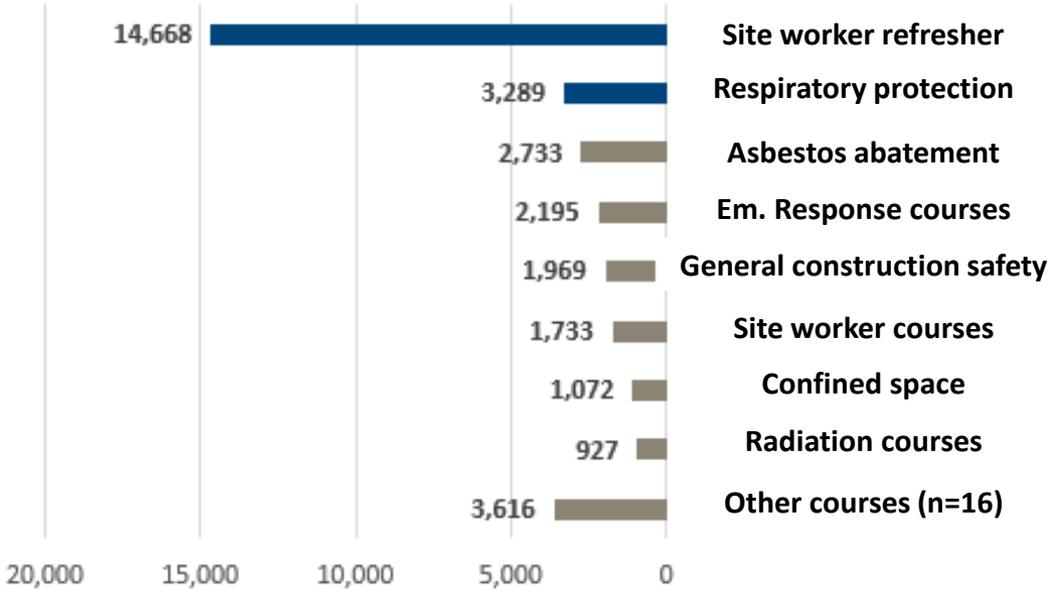
\*Cost per contact hour is calculated by Dollars Awarded/Contact Hours

# Top Courses, Contact Hours, and Workers Trained

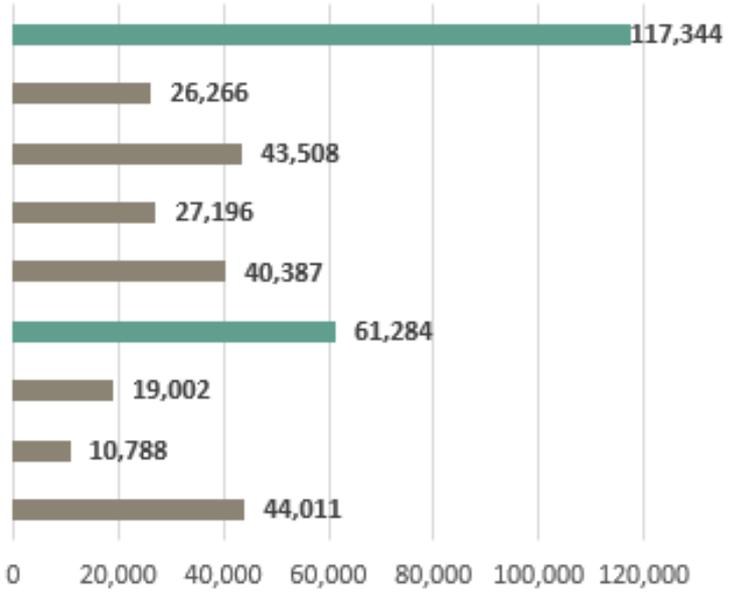
Of the 32,202 **workers trained**, the highest numbers were in **Site Worker Refresher** and **Respiratory Protection** courses.

Of the 389,786 **contact hours**, the highest numbers were in **Site Worker Refresher** and **Site Worker** courses.

Workers Trained

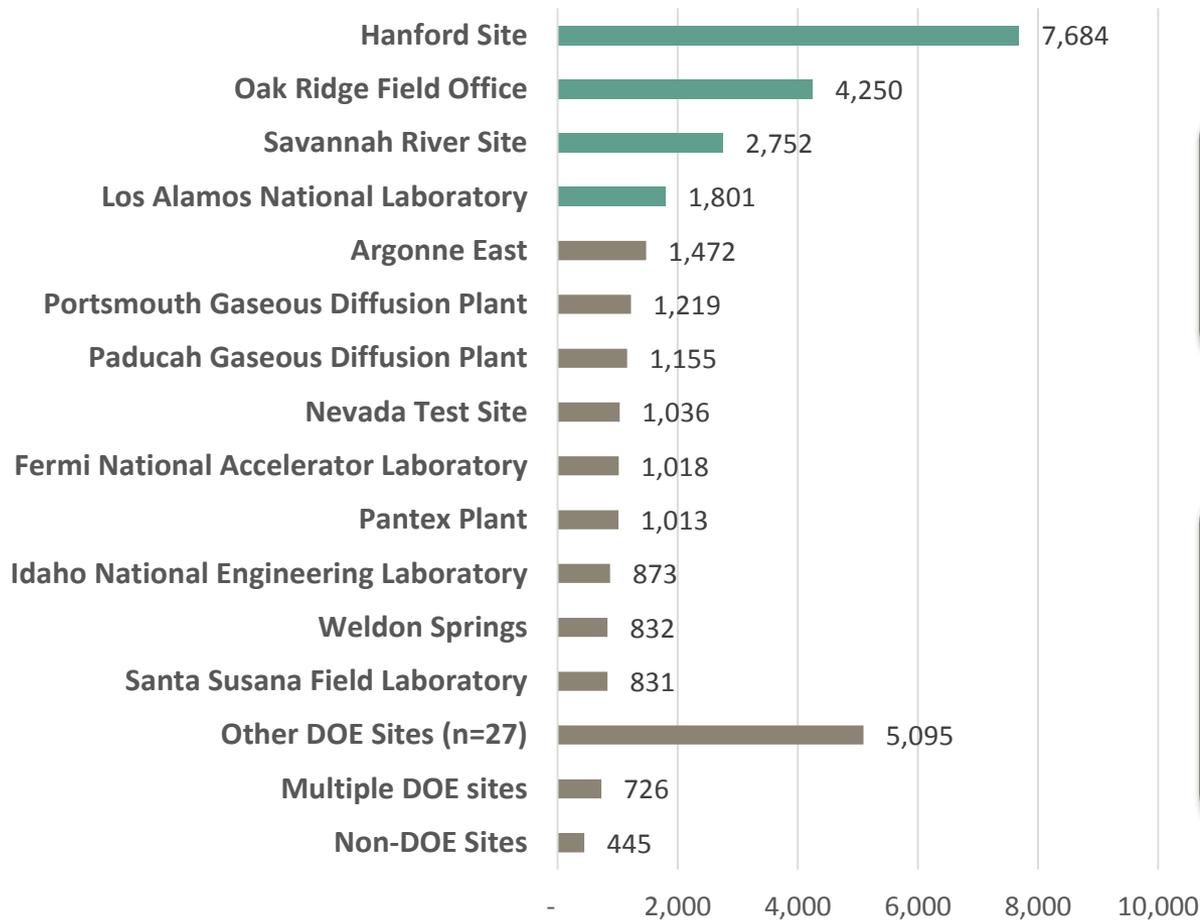


Contact Hours



Reflects training data from Sept. 1, 2016 – Aug. 31, 2017

# Number of Workers Trained by Site



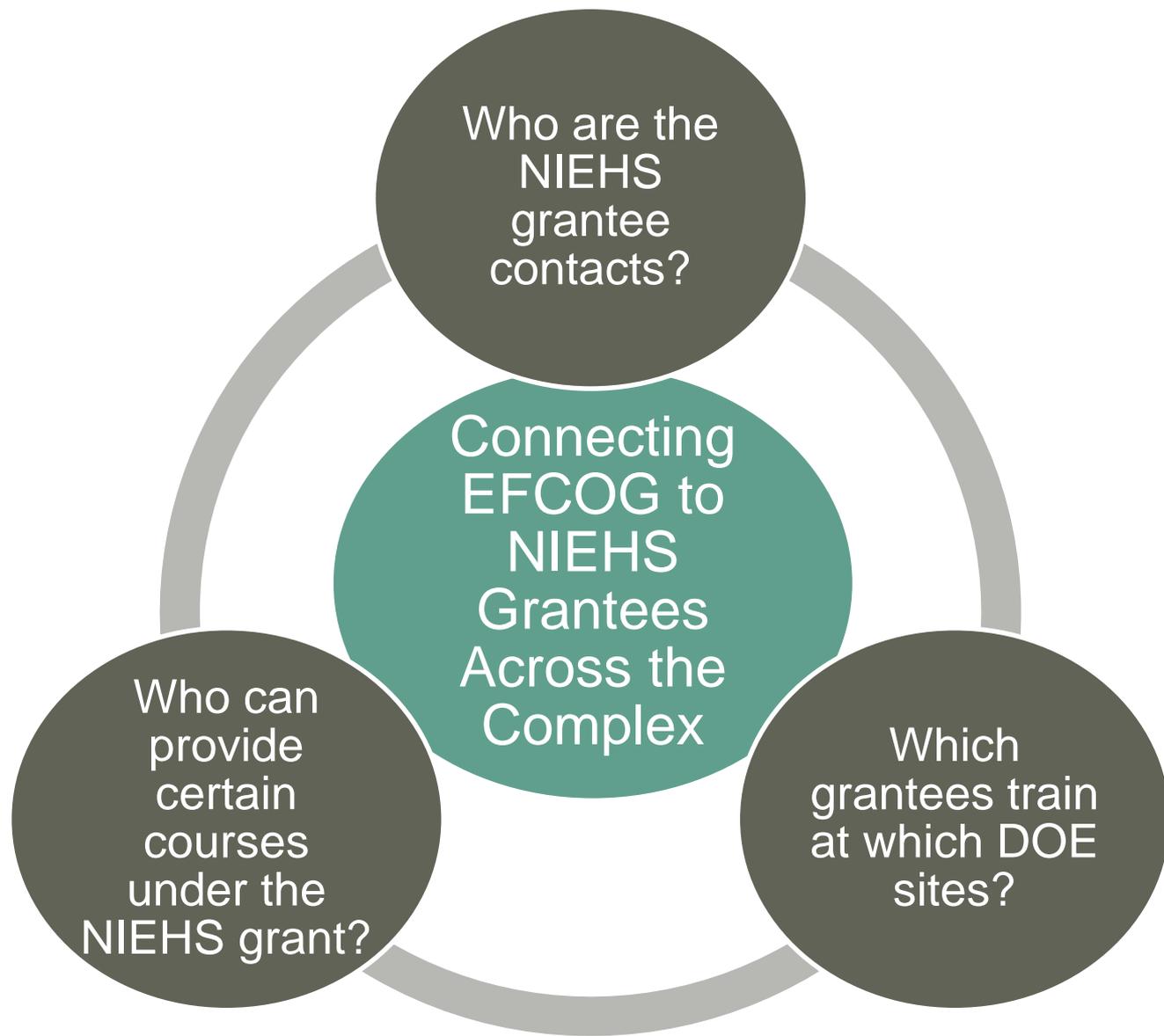
**32,202 workers trained at or around 40 DOE sites**

**Highest number of workers trained were at the *Hanford Site*, followed by the *Oak Ridge*, *Savannah River*, and *Los Alamos sites*.**

# NIEHS Supplemental Grants on Safety Culture, 2016-2017 and 2017-2018

- CPWR
  - Tailoring existing Foundations for Safety Leadership training to DOE
  - Pilot trainings in 2 DOE Sites: Oak Ridge, TN and Hanford, WA
- International Association of Firefighters
  - Expanding and enhancing Frontline Safety program presented at 2016 DOE Trainers Exchange
  - Tailoring to include DOE-specific case studies and incidents
  - Pilots at WIPP and Oak Ridge; Train-the-Trainer in May





## Other Notes on DOE

- DMS data accuracy: Sites, courses
- July 18 briefing with DOE HQ





National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

# **Kathy Ahlmark**

**Program Analyst**

**Worker Training Program**

**Division of Extramural Research & Training**

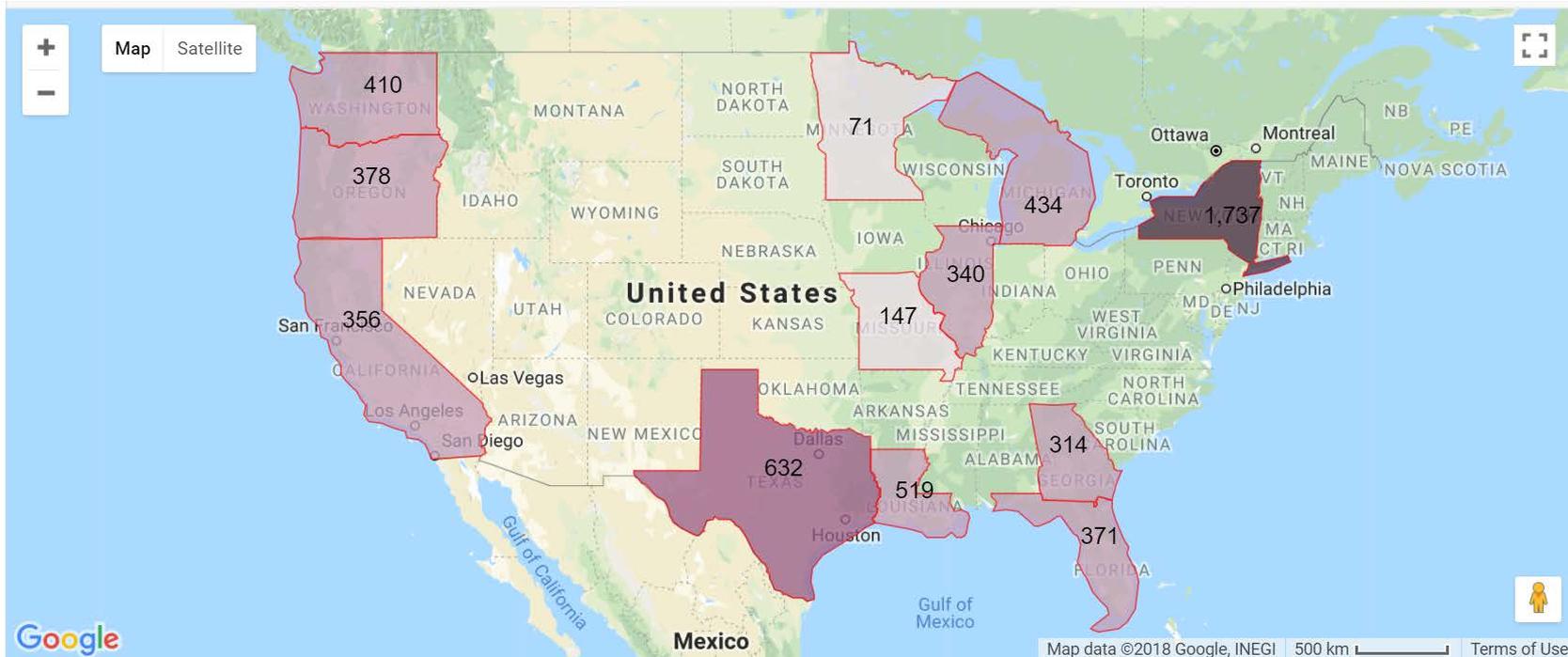
**National Institute of Environmental Health Sciences**



# Current SBIR Grants

PI	Institution	Project Title	Description
Shariar Motekef	Capesym, Inc.	Smartphone Simulator for Realistic Radiation HAZMAT and Emergency	A smartphone simulator tool for radiation HAZMAT and emergency response training.
Cesar Bandera	Cell Podium, LLC	Augmented Reality Sensor Simulation System for HAZMAT Training	An augmented reality training system using handheld devices and sensors for a realistic and experiential health and safety training of HAZMAT workers.
Gautham Venugopalan	Gryphon Scientific, LLC	Interactive Training in Emergency Operations for the Response Community	An interactive, mobile app that will allow two groups that are intermittent participants in disaster response to practice their emergency response skills after completing basic training.
Michel Izygon	Tietronix Software, INC.	VR-Based Evaluation and Training System for Emergency Responders and Managers	A virtual reality based evaluation and training system for emergency responders involved in biosafety response and cleanup.





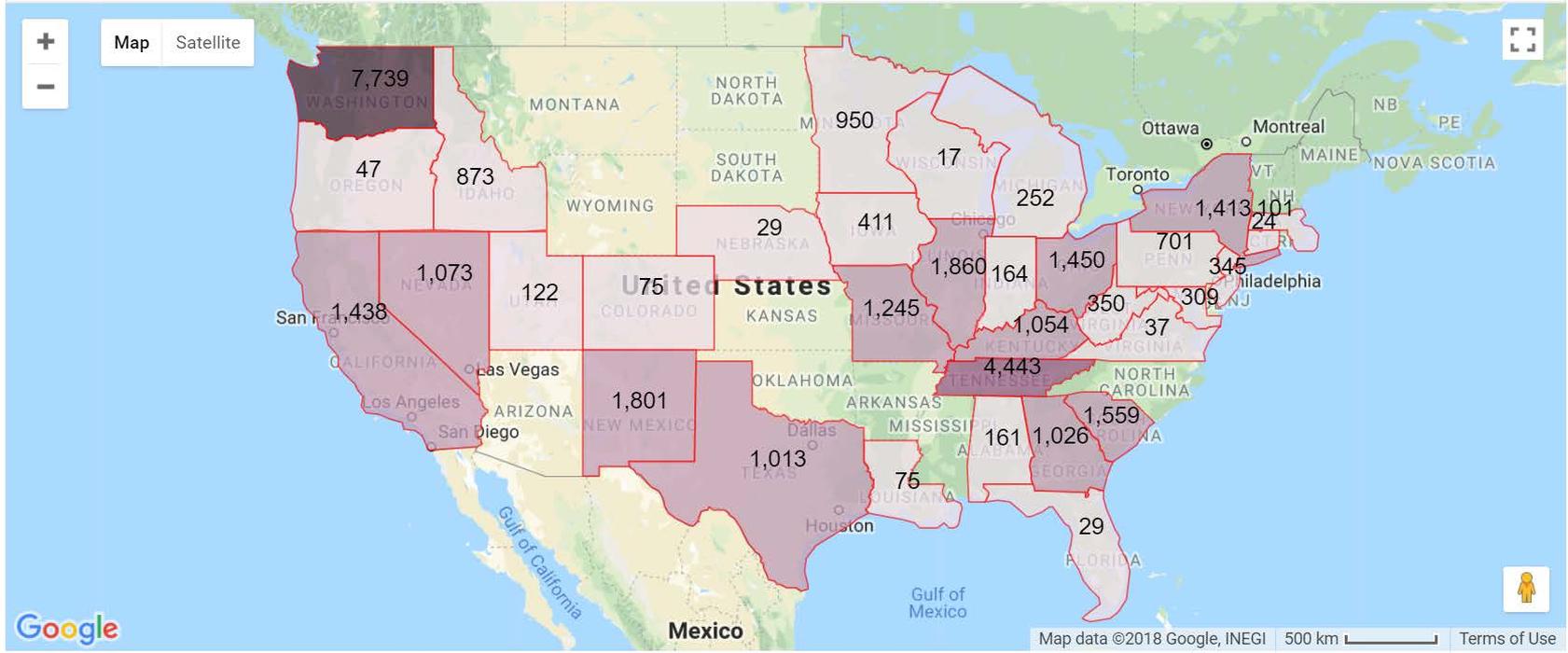
**Report Name:** Course Data by State

**Program Name:** Environmental Career Worker Training

**Budget Period:** 08/01/2016 - 07/31/2017

**Number of records:** 12

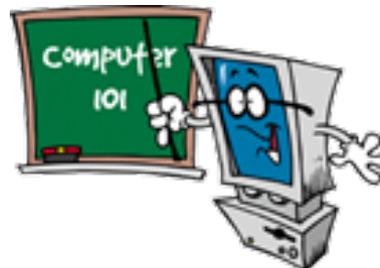




**Report Name:** Course Data by State  
**Program Name:** Department of Energy  
**Budget Period:** 09/01/2016 - 08/31/2017  
**Number of records:** 35

## DMS

- We would like for you to enter Tribal/Native American in the notes section of DMS as you add courses.
- We have lowered the upper threshold for a justification in the DMS from 50 students to 25 students. The justification should include additional instructors for more than 25 students.
- We will now require that a justification be entered into the system for classes less than five and more than 25 when you input your DMS data.
- NOT ACCEPTABLE
  - 2 students
  - None



## Acceptable Justifications

- The class size was large, and X number of instructors were used.
- There were more students signed up for the course, but they didn't show up. The course was held for the students that came because it was required for job retention.
- This course was held simultaneously with another related course which had additional students.
- The course required close monitoring so class size was limited.



National Institute of Environmental Health Sciences  
*Your Environment. Your Health.*

# **Jim Remington**

**Program Analyst**

**Worker Training Program**

**Division of Extramural Research & Training**

**National Institute of Environmental Health Sciences**



## HDPTP Numbers

Year	Courses	Workers	Contact Hours
2018 (partial)	331	4810	47,405
2017	839	12,238	127,783
2016	784	12,550	109,081
2015	899	12,953	145,699

# Hazmat Disaster Preparedness Training Program

- The Program
  - Target population
    - First Responders
    - Workers (skilled support)
    - Workers (collateral duty)
    - Community Emergency Response Team (CERT)
    - Volunteers
  - Courses
    - HAZWOPER
    - Disaster Site Worker
    - Disaster general/specific



- Emergency Support Activation Plan (ESAP)
- Disaster Response
  - Funding
  - Field Work
    - Organizational objectives versus NIEHS objective
    - Chain of command/communications/reporting
    - Collaboration with other grantees
    - Preparedness (Deployment Guide)
  - Local Point of Contact



## Disasters

Opioids

Wildfires

Harvey

Irma

Maria

Ebola?

Volcano?

Earthquake?

Chemical/Petroleum/ etc.